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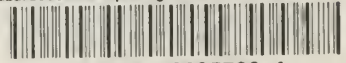
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FINAL REPORT

HAZARDOUS MINE OPENING MAINTENANCE INVENTORY STATEWIDE, MONTANA

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FINAL REPORT
HAZARDOUS MINE OPENING
MAINTENANCE INVENTORY
STATEWIDE, MONTANA

FINAL REPORT
HAZARDOUS MINE OPENING MAINTENANCE INVENTORY
STATEWIDE, MONTANA

Prepared for:

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Department of State Lands
Abandoned Mine Reclamation Bureau
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March 16, 1990



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1.0 INTRODUCTION

In August, 1989, Chen-Northern, Inc. was assigned the task of completing a maintenance inventory on mine openings that have been involved in Hazardous Mine Opening (HMO) reclamation projects; Phase 1 through Phase 20 (1984 - 1987). The maintenance inventory initiated with the development of a data base to provide the Abandoned Mine Reclamation Bureau (AMRB) with data on mine openings afforded reclamation through their HMO Reclamation Program. The data base format was selected for its various merits including the option to provide statistical results to the Bureau on its HMO Program, and the capabilities to generate field inventory forms for each site. Select information on each site was transferred from the main Non-Coal Data Base to a separate data base file. Site and project specific data including type of mine opening (adit, shaft, or stope) and type of reclamation construction performed (adit door, backfill, grate), was then entered into the computer manually. The resulting field inventory form included locational information (county, district, legal description, quad) and site specific information including problem area number (PA #), site name (name from the Non-Coal Data Base), bid name (name used in the bid package), and construction phase.

The maintenance data base was programmed to print a check list for the various closure conditions. For backfill sites, several options described the subsidence potential including an assessment of whether or not the situation was hazardous. Another option was available if the site could not be located. For mine openings where non-backfill closures were constructed, the computer printed a different list of options to characterize the condition of the closure; good condition, vandalized, damaged/natural causes, and destroyed/mining. Maintenance needs were assessed for all mine openings as; required, or not required. The success of revegetation efforts were evaluated and reported in a column reserved for general remarks and comments. Field investigations resulted in a visual inspection of over 1000 mine openings and photographic slides were taken of present reclamation conditions.

2.0 HMO PROGRAM HISTORY

2.1 PROGRAM OBJECTIVES

Hard rock mining in Montana was essentially unregulated from a reclamation standpoint for over one hundred years. This resulted in thousands of hazardous shafts and adits in mining districts across the state left in an unreclaimed condition. Hazardous Mine Opening (HMO) Projects; Phase 1 through Phase 24 were designed and executed with the intent of eliminating accidental or unauthorized exposure to hazards existing at a number of abandoned hard rock mines statewide.

2.2 DESIGN PHILOSOPHY

Since 1982, HMO Projects have been coordinated on an annual basis to protect public safety at abandoned hard rock sites. Reclamation was funded through annual grant submittals to the Office of Surface Mining (OSM). Table 2.1 identifies the name of each phase of reclamation construction, the year of project funding, and the engineering design firm.

The initial philosophy of the HMO construction program was to bid small contracts for the reclamation work to allow small contractors to bid on the projects. Through 1985, after several projects (Phase 1 through Phase 17) were constructed the AMRB determined, that the administrative costs of putting out numerous small contracts was not cost effective. Projects since that time have accomplished reclamation in several mining districts per contract.

Backfilling has always been the preferred reclamation option for closing hazardous adits and shafts but alternative methods (eg. bulkheads, fencing) were utilized at the landowners request. The non-permanent closure type used in HMO construction (when backfill was not allowed) has evolved significantly since 1984. Initially, the approach was to utilize demonstrated techniques in HMO remediation. The Phase 1 Portal Project employed OSM's standard specifications including a concrete cone bulkhead, steel grate systems, and a shaft culvert. The high cost of these bulkheads caused subsequent construction projects to utilize more cost effective treatments including fencing and signs, wood shaft covers, and

TABLE 2.1

HAZARDOUS MINE OPENING PROJECT LOCATION FUNDING & DESIGN HISTORY

PROJECT	LOCATION	YEAR OF FUNDING	DESIGNING ENGINEER
Phase 1 Portal Project	Helena, Scratchgravel & York Districts, Lewis & Clark County	1982	L.C. Hanson Company
Phase 2 Portal Project	Marysville District, Lewis & Clark County	1982, 1983	L.C. Hanson Company
Phase 3 Portal Project	Alhambra & Clancy Districts, Jefferson County	1982	L.C. Hanson Company
Phase 4 Portal Project	Helena District, Lewis & Clark County	1983	L.C. Hanson Company
Phase 5 Portal Project	Silver Lake District (Gold Coin Mine), Deer Lodge County	1983	L.C. Hanson Company
Phase 7 Mine Seal Project	Argenta District, Beaverhead County	1984	L.C. Hanson Company
Phase 8 Mine Seal Project	Bannack District, Beaverhead County	1984	L.C. Hanson Company
Phase 9 Mine Seal Project	Helena District, Lewis & Clark County; McClellan & Montana City Districts, Jefferson County	1983, 1984	L.C. Hanson Company
Phase 10 Mine Seal Project	Marysville District, Lewis & Clark County	1983, 1984	L.C. Hanson Company
Phase 11 Adit & Shaft Project	Austin, Helena, Rimini & Scratchgravel Districts, Lewis & Clark County	1982, 1985	L.C. Hanson Company
Phase 12 Adit & Shaft Project	Philipsburg District, Granite County	1985	L.C. Hanson Company
Phase 13 Adit & Shaft Project	Radersburg District, Broadwater County	1985	L.C. Hanson Company
Phase 14 Adit & Shaft Project	Highland & Independence Districts, Silver Bow County	1983, 1985	L.C. Hanson Company
Phase 15 Mine Seal Project	North Mocassin District (Kendall Mine), Fergus County	1984	IntraSearch Engineering, Inc.
Phase 16 Mine Seal Project	Warm Springs District (Whiskey Gulch), Fergus County	1984	IntraSearch Engineering, Inc.
Phase 17 Mine Seal Project	Warm Spring District (Maiden Canyon), Fergus County	1984	IntraSearch Engineering, Inc.
Phase 18 Adit & Shaft Project	Beaverhead, Broadwater, Deer Lodge, Granite, Jefferson, Lewis & Clark, Meagher, Powell and Silver Bow Counties	1982, 1983 1984, 1985	L.C. Hanson Company
Phase 19 Mine Hazard Project	Cascade, Fergus, Granite, Judith Basin, Madison and Ravalli Counties	1984, 1986	L.C. Hanson Company
Phase 20 Hazardous Mine Opening Project	Beaverhead, Broadwater, Deer Lodge, Jefferson, Lewis & Clark, Madison and Powell Counties	1987	L.C. Hanson Company
Phase 21 Hazardous Mine Opening Project	Combination, Dunkelberg, Maxville, Philipsburg & South Boulder Districts, Granite County	1988	Chen-Northern, Inc.
Phase 22 Hazardous Mine Opening Project	Argenta, Baldy Mtn, Bannack, Blacktail, Blue Wing, Ermont & Polaris Districts, Beaverhead County	1988	Chen-Northern, Inc.
Phase 23 Hazardous Mine Opening Project	Alps & Garnet Districts, Granite County; Clinton, Cramer Creek & Potomac Districts, Missoula County	1988	Chen-Northern, Inc.
Phase 24 Hazardous Mine Opening Project	Apex & Lost Creek Districts, Beaverhead County; McCartney Mtn, Rochester & Silver Star Districts, Madison County	1988	Chen-Northern, Inc.

adit doors. In 1987, AMRB policy discouraged the use of fencing, opting instead to go to the expense of steel grate systems to more permanently bulkhead vertical mine openings. Independent contractors were hired to construct the steel grate systems in modular sections and HMO construction contractors were required to transport and install them at the project sites.

Attorneys for the Department of State Lands are presently contemplating the State's liability position at sites where non-permanent closures have been constructed. It appears that the future of federally funded HMO reclamation projects may be "backfill only", whereby no doors or grates would be installed with AMR monies.

2.3 PROJECT LOCATIONS

Hazardous Mine Opening Projects have accomplished reclamation in numerous Montana mining districts. The mining districts involved in each construction phase are listed in Table 2.1. Legal descriptions of individual sites reclaimed in each project are listed in Appendix A. Mining district locations are shown on the vicinity maps presented in Appendix B. For further detail on site location, refer to the individual site maps located in the construction bid packages for each project.

2.4 CONSTRUCTION HISTORY

Table 2.2 presents the construction history of Hazardous Mine Openings constructed since 1984. The contractors who performed the twenty-three reclamation construction are listed, as are start/finish construction dates and the final cost of the reclamation project.

The Phase 6 Mine Seal Project, including sites in Beaverhead County, was canceled after the contract was awarded. The project consisted of two sites in the Blue Wing Mining District which was adjacent to sites being reclaimed at Bannack. One of the two landowners involved in the Phase 6 Project misinterpreted the engineer's intention to install fencing around five shafts at the Silver Buckle Site. The landowner expected the AMRB to fence the perimeter of his property rather than the shafts individually. The design engineer and AMRB representatives met with the landowner on site and could not persuade him to consent to the proposed reclamation, so the site was dropped and the contract was canceled.

TABLE 2.2

HAZARDOUS MINE OPENING PROJECT CONSTRUCTION HISTORY

PROJECT	CONTRACTOR	CONSTRUCTION START-UP	CONSTRUCTION COMPLETED	AMOUNT
Phase 1 Portal Project	Excavating Services	11/10/83	5/29/84	\$35,123
Phase 2 Portal Project	Watters Enterprises	6/13/84	5/25/85	\$34,190
Phase 3 Portal Project	Resource Engineers	5/4/84	10/9/84	\$21,975
Phase 4 Portal Project	Allen Electric	7/16/84	10/11/84	\$28,345
Phase 5 Portal Project	McDaniel & Sons	6/18/84	7/6/84	\$9,499
Phase 7 Mine Seal Project	Northwest Fence	9/22/84	11/15/84	\$21,098
Phase 8 Mine Seal Project	Herbert Russell	9/1/84	10/18/84	\$33,622
Phase 9 Mine Seal Project	Allen Electric	9/20/84	6/8/85	\$9,661
Phase 10 Mine Seal Project	Shumaker Trucking	10/1/84	6/7/85	\$12,424
Phase 11 Adit & Shaft Project	A & W Excavating	9/18/85	11/1/85	\$11,993
Phase 12 Adit & Shaft Project	Farm Harvesting West	5/2/85	8/1/85	\$41,746
Phase 13 Adit & Shaft Project	Swan & Sons Construction	6/13/85	4/12/86	\$41,197
Phase 14 Adit & Shaft Project	Bullock Brothers	6/20/85	7/19/85	\$21,359
Phase 15 Mine Seal Project	Montgomery Construction	8/13/84	10/15/84	\$24,360
Phase 16 Mine Seal Project	Excavating Service	8/27/84	10/15/84	\$29,420
Phase 17 Mine Seal Project	Allen Electric	5/23/85	7/7/85	\$14,552
Phase 18 Adit & Shaft Project	Allen Electric	10/2/85	7/9/86	\$38,500
Phase 19 Mine Hazard Project	Diamond Construction	8/18/86	10/24/87	\$117,152
Phase 20 Hazardous Mine Opening Project	DeBuff Drilling	5/27/87	11/15/87	\$92,758
Phase 21 Hazardous Mine Opening Project	Scott Construction	9/28/88	9/8/89	\$138,726
Phase 22 Hazardous Mine Opening Project	Coleman Construction	8/29/88	7/7/89	\$321,785
Phase 23 Hazardous Mine Opening Project	Johnson Construction	10/24/88	8/18/89	\$43,124
Phase 24 Hazardous Mine Opening Project	Scott Construction	9/26/88	6/2/89	\$197,993

The remaining site in the Phase 6 Project was then added, by addendum, to the Phase 8 Project at Bannack. Several years later, the Silver Buckle Site was included in the Phase 24 HMO construction project whereby steel grates and fencing were installed at the landowners request.

2.5 COMPLETED CONSTRUCTION

The specific reclamation construction performed at each site for HMO Projects; Phase 1 through 24 is presented in Appendix C. Totals of the various closure techniques is summarized in Table 2.3.

TABLE 2.3

**COMPLETED HMO CONSTRUCTION PROJECTS
RECLAMATION PERFORMED**

PROJECT	BACKFILLS & BLASTS	FENCES	ADIT DOORS	ADIT CULVERTS	CABLENETS & MESH	WOOD COVERS	STEEL GRATES	CONC. CONES
Phase 1	24	7	1	1	0	0	4	1
Phase 2	4	20	0	0	0	0	1	0
Phase 3	22	18	2	0	0	0	1	0
Phase 4	14	0	2	1	0	0	1	0
Phase 5	9	7	30	0	0	0	0	0
Phase 4	4	20	0	0	0	4	0	0
Phase 5	4	4	4	0	0	0	0	1
Phase 5	4	4	0	0	0	4	0	1
Phase 10	1	12	0	0	0	1	0	0
Phase 11	14	6	2	0	0	0	1	0
Phase 2	14	32	2	0	0	2	0	0
Phase 13	22	6	3	0	0	8	0	0
Phase 14	9	7	0	0	0	1	0	0
Phase 19	22	0	2	1	0	0	0	0
Phase 16	19	1	3	1	0	0	1	0
Phase 17	9	2	3	1	0	0	0	0
Phase 16	43	30	4	0	0	4	0	0
Phase 19	49	60	9	0	3	10	4	0
Phase 20	60	64	3	1	3	6	1	0
Phase 21	9	20	11	1	9	0	14	0
Phase 22	85	23	1	3	0	0	0	0
Phase 23	19	1	4	3	11	0	2	0
Phase 24	39	16	4	24	6	0	47	0

3.0 MAINTENANCE INVENTORY

3.1 RESULTS

The results of the Maintenance Inventory; HMO Phases 1 - 20, are presented in Appendix D & E. Appendix D contains a summarized list of comments recorded during the maintenance inventory which includes only those sites where reclamation conditions have changed since final acceptance of the construction project. Appendix E contains the original inventory forms completed for each site followed by photographic slide documentation of the site conditions observed in the field.

3.1.1 Subsidence

Subsidence of backfill was not a serious problem at the mine openings inspected during the maintenance inventory. Approximately twelve shafts had subsided significantly, creating a hazardous situation. The backfill at three adit sites had sloughed into the opening enough to permit entry. These sites are listed on Tables 3.1 & 3.2 and have either been "maintained" or should be scheduled for maintenance during the 1990 construction season. Minor subsidence was visible at approximately 30% of the backfilled mine openings as shallow depressions. These surface expressions do not warrant maintenance but indicate that some settling is taking place as the backfill material is being compacted.

Revegetation efforts were generally successful at backfill sites where some soil existed on the surface. At a number of sites the revegetated area was growing better than the surrounding landscape. There were obvious weeds at some reclamation sites though this is not necessarily the result of AMR construction.

3.1.2 Vandalism

Vandalism of fences and installed bulkheads has been, and will continue to be a problem at HMO sites where non-permanent reclamation was performed. Commonly, the locks installed to secure access hatchways on adit doors, culverts, cable nets, and steel grates have been removed or vandalized.

TABLE 3.1

**PRIORITY ONE MAINTENANCE
COMPLETED OR SCHEDULED CONSTRUCTION**

PROJECT	COUNTY/ DISTRICT	BID NAME/ MINE OPENING	COMMENTS	MAINTENANCE
Phase 9	Jefferson/ McClellan	Maupin Creek Shaft #1	Dangerous subsidence.	Project 26 constructor backfilled site; his equipment was in area.
Phase 9	Jefferson/ McClellan	Maupin Creek Shaft #4	1988 Warm Springs Creek Forest Fire destroyed constructed reclamation.	Site specified for backfill in Project 26 construction contract.
Phase 11	Lewis & Clark/ Marysville	Earthquake Shaft #1	Wood cover had been vandalized exposing vertical mine opening.	Site specified for steel grate in Project 28 construction contract.
Phase 11	Lewis & Clark/ Marysville	Shannon Shaft #1	Dangerous subsidence.	Maintenance contractor hired to backfill site; fall 1989.
Phase 18	Deer Lodge/ Silver Lake	Daly Gulch Shaft #1	Wood cover has sloughed into shaft opening.	Owner agreed to allow backfill. Site scheduled for reclamation by Project 25 contractor.
Phase 20	Lewis & Clark/ Helena	Contention Shaft #1	Dangerous subsidence.	Project 26 contractor backfilled site; his equipment was in the area.

TABLE 3.2

PRIORITY ONE MAINTENANCE TO BE CONSTRUCTED

PROJECT	COUNTY/ DISTRICT	BID NAME/ MINE OPENING	COMMENTS	MAINTENANCE
Phase 9	Lewis & Clark/ Helena	Diehl/ West Adit	Reclamation "un-done" by site visitors. Tunnel is accessible to the public.	Install culvert in adit portal.
Phase 9	Lewis & Clark/ Helena	Mt. Ascension Hts/Shaft #1	Dangerous subsidence; opening obstructed with tree limbs.	Backfill shaft.
Phase 11	Lewis & Clark/ Helena	Chaucer Quarry/ Highwall	Severe vandalism has destroyed portion of jack-leg fence.	Install (drill & blast) steel fence posts and smooth wire fencing along upper edge of highwall. Post signs.
Phase 13	Broadwater/ Radersburg	Gold Dust/ Shaft #3	Wood cover has been severely damaged.	Backfill or install steel grate system.
Phase 13	Broadwater/ Radersburg	Nada-Ruby/ Upper Shaft	Wood cover has been completely torn off.	Backfill or install steel grate system.
Phase 18	Broadwater/ Radersburg	Nada-Ruby/ Lower Shaft	Wood cover has been completely torn off.	Backfill or install steel grate system.
Phase 13	Broadwater/ Radersburg	Summit/ Shaft #3	Wood cover has been moderately damaged.	Backfill or install steel grate system.
Phase 14	Silver Bow/ Independence	Green Lake/ Shaft	Chainlink fence has been severely vandalized.	Pump, discharge and backfill flooded shaft. Rechannelize drainage.
Phase 18	Jefferson/ Elkhorn	Dunstone/ Shaft #3	Shaft house has been vandalized; extremely dangerous situation.	Install steel grate over shaft within historic structure.
Phase 18	Jefferson/ Pipestone	Columbia/ Upper Shaft	Dangerous subsidence.	Backfill shaft.
Phase 18	Meagher/ Castle Mtns.	Cumberland/ Adit	Backfill of adit portal has been "un-done" by site visitors.	Obstruct adit entrance.
Phase 19	Powell/ Garrison	Gravelly/ Shaft #4	Dangerous subsidence.	Backfill shaft.
Phase 18	Powell/ Garrison	Gravelly/ Shaft #7	Dangerous subsidence.	Backfill shaft.
Phase 29	Fergus/ Warm Springs	Old Batch-Peso/ Adit #3	Backfill at obstructed adit has subsided.	Obstruct adit entrance.
Phase 19	Judith Basin/ Hughesville	Marcelline/ Shaft	Wood cover has been vandalized.	Backfill shaft or install steel grate system.
Phase 19	Madison/ Red Bluff	East Norris/ South Shaft	Dangerous subsidence.	Backfill shaft.
Phase 14	Madison/ Rochester	Shoe Maker/ Shaft #1W	Shaft opening has sloughed away from wood cover exposing dangerous opening.	Install steel grate system.
Phase 20	Broadwater/ Winston	Antelope Creek/ Shaft #1	Dangerous subsidence.	Backfill shaft.
Phase 20	Jefferson/ Lowland	Kit Carson/ Shaft #2	Dangerous subsidence or re-opened during recent exploration.	Backfill shaft after checking first on exploration.
Phase 20	Jefferson/ Lowland	Montreal Star/ Shaft #1	Wood cover has been vandalized.	Backfill shaft or install steel grate system.

Fencing at several sites has been vandalized. In addition to the numerous "Hazard" signs which contain bullet holes, vandals have destroyed the protection offered through fencing. The jack-leg fencing installed at the Chaucer Quarry Site (Helena District/Phase 11) is in poor condition. Posts and poles along the highwall edge were dismantled and thrown into the quarry, one hundred feet below. At the Green Lake Site (Butte District/Phase 14) the chain-link fencing installed to enclose a flooded shaft (where stolen vehicles have been pulled from) was vandalized before the construction could be completed. The fence was repaired for final acceptance but was vandalized again soon thereafter. The current reclamation condition of this site is poor, with entire sections of chain-link and top rail missing.

The wood shaft covers constructed on mine openings where competent wood collars existed at the surface have been a common target of vandals. The wood planks, nailed to shaft collars have been pried up and removed at many sites, exposing dangerous vertical openings. In addition, it was noted that untreated lumber was used to construct many of the shaft covers which was contrary to the construction materials specified in the bid package. These sites are identified in Appendix D which summarizes the maintenance inventory comments.

3.1.3 Naturally Caused Damage

Damage due to natural causes was most prevalent at the mine openings with fence enclosures. There were several instances where the wind had fallen trees onto fence lines causing wires to snap. Also, numerous "Hazard" signs were missing or hanging precariously from fence lines, most likely blown away or damaged by high winds.

Four hundred feet of fence at the Hanson Properties Site (Bannack District/Phase 8) was damaged after dislodged boulders uphill from the site rolled into the fence line. By similar acts of nature, an adit door installed at the Ninety-Six Site (Helena District/Phase 11) is completely obscured by fallen rock and sloughed material.

3.1.4 Destroyed Due to Mining

Exploration and current mining ventures destroyed several AMR installed fences and bulkheads. This was particularly evident at the Blacksmith Site (Indian Creek

District/Phase 20) where barbed wire and metal posts had been removed and were observed in mounds of dirt pushed aside. The shafts had been backfilled at the conclusion of the exploration activities. Fencing installed at the Curlew Site (Ravalli County/Phase 19) had also been removed by an active mining operation.

Previously inactive sites backfilled through the HMO Program were also victim of renewed mining interest. At the Kit Carson Site (Lowland District/Phase 20) backfilled mine openings had been re-opened for examination and left in a hazardous condition when exploration was complete. At the Kendall Mine Site (North Moccasin District), haul roads for an active mining operation covered mine openings backfilled in the Phase 15 Reclamation Project.

Exploration activities at the Phase 1; Anders-Julia Site involved removal of a steel grate system. When the operation was complete, the shaft was backfilled. The grate is currently located on-site for use at a future reclamation site.

3.2 REQUIRED MAINTENANCE

The maintenance required at previously reclaimed mine openings has been prioritized according to the public safety hazards that currently exists on-site. All maintenance construction will be subject to landowner consent. When the HMO construction projects were initially coordinated, landowners were informed that future maintenance of constructed fences or mine closures was their responsibility. They were advised that the State preferred the backfill alternative to permanently abate hazardous mine openings.

3.2.1 Priority One Maintenance

Priority One Maintenance was been defined as sites which require immediate attention. These sites consist primarily of dangerous subsidence and vandalized wood shaft covers which, in their current condition present a severe threat to human health and safety.

Several subsided backfill sites were so hazardous that they demanded immediate attention. Maintenance construction performed during the 1989 construction season is presented in Table 3.1. The maintenance construction was either accomplished by the HMO Project 26

contractor (who was operating in the vicinity) or by a contractor hired for the specific purpose of remediating the maintenance hazard. Additional sites are listed in Table 3.2 where maintenance work can be economically "change ordered" into the HMO Project 25 or 26 contracts to be completed during the 1990 construction season. All maintenance construction costs will be accounted for separately to enable payment from AMR's maintenance fund.

Table 3.2 presents the remaining Priority One sites which require maintenance during the 1990 construction season.

3.2.2 Priority Two Maintenance

Priority Two Maintenance would involve backfilling sites previously fenced or barricaded. By backfilling these sites, hazards would permanently be eliminated. This approach is recommended for sites where the protection offered through previous reclamation has been destroyed or damaged. Landowners would require notification and be informed of the deteriorating condition of the installed closure. They would then be given the opportunity to have their mine openings backfilled. The "Maintenance Comments" section of Appendix D lists those non-permanent closures which have been damaged.

3.2.3 Preventative Maintenance

There is some maintenance which should be performed to prevent potentially hazardous situations from arising in the future. Steel grates installed over shafts in the Phase 1 Project were primed but never painted with rust inhibiting paint. Five years after construction, these bulkheads are beginning to corrode and could potentially rust through in the future. There are three grates in the Helena area which should either be scraped and painted or fitted with new steel grate systems. The landowners should first be contacted to determine whether the shafts could instead be backfilled. The "Reclamation" column of Appendix C identifies the Phase 1 sites where steel grates were installed.

All previously installed wood shaft covers should be replaced by steel grate systems if landowners will not consent to allowing the mine openings to be backfilled. The wood planks are subject to vandalism and decay which could potentially result in structural failure.

The "Reclamation" column of Appendix C identifies the mine openings in each HMO construction phase where wood shaft covers were installed.

3.2.4 No Action

Sites which were subject to minor subsidence, natural damage of minor vandalism, where there is no threat to public health and safety should not be afforded maintenance. These sites include broken fence wires and bullet ridden, missing or damaged "Hazard" signs. The "Maintenance Comments" section of Appendix D identifies the sites which fall into this category.

3.2.5 Subsidence Monitoring Program

All mine openings backfilled in past HMO Projects should be inventoried periodically to verify the condition of the reclamation. Shafts which required a large volume of backfill should be monitored annually for continued subsidence. The cubic yards each mine opening required for backfill should be available in project "Final Reports" or from "Payment Requests" prepared for each project. Shafts which have required maintenance in the past should also be watched for future subsidence. Table 3.3 presents these sites which have required additional fill to remediate subsidence.

3.3 PROFESSIONAL SERVICE FEES

The cost of completing the HMO Maintenance Inventory is presented below. Professional service fees are divided into five tasks; Project Management, Data Base Development, Field Work, Data Compilation and Final Report Preparation.

Task 1 - Project Management	\$ 3,030.43
Task 2 - Data Base Development	1,137.53
Task 3 - Field Work	18,285.30
Task 4 - Data Compilation	560.66
Task 5 - Final Report Preparation	<u>2,500.00</u>
Total Project Cost	\$ 25,513.92

TABLE 3.3**BACKFILL SITES WHICH HAVE REQUIRED PREVIOUS MAINTENANCE**

PROJECT	DISTRICT	BID NAME	MINE OPENING	COMMENTS
Phase 1	Scratchgravel	North Saddle	Shaft #2	Located adjacent to motor bike trails.
Phase 1	Scratchgravel	South Saddle	Shaft #1	Located adjacent to motor bike trails.
Phase 4	Helena	Kranich	Shaft #1	Subsidence occurred immediately after initial backfill.
Phase 9	McClellan	Maupin Creek	Shaft #1	Shaft has been "maintained" two times; workings were flooded during initial construction.
Phase 10	Marysville	Shannon	Shaft #1	Shaft has been "maintained" three times.
Phase 11	Austin	War Eagle	Shaft #1 & #2	Originally fenced, these shafts were backfilled at the request of a new owner and "maintained" one time there after.
Phase 18	Three Forks	Copper City	Shaft #1	This shaft was reported to be 800 feet deep.

The field work phase of the Maintenance Inventory was 95% complete when the project was suspended due to reprioritization of Chen-Northern's assigned work by the AMRB due to insufficient funds. The sites not visited during this inventory are identified under the "Maintenance Comments" section of Appendix D. Additionally, return visits were not made to several mining districts that had been involved in the completion of the Non-Coal Inventory during the 1989 field season. Reclaimed HMO sites were visited and re-inventoried in the Cascade County, Neihart District; Judith Basin County, Hughesville District; and the Meagher County, Castle Mountain & Murray Districts but not for the purpose of the Maintenance Inventory. Slides and detailed inventories are included in the Non-Coal Inventory.

3.4 RECOMMENDATIONS

3.4.1 Construction Bid Documents

The site maps included in construction bid packages; Phase 1 through Phase 20 were totally inadequate to locate the mine openings slated for reclamation. There were no topographic base maps included for any of the mining districts which made it extremely difficult to identify the sites for maintenance inspection.

In a number of districts, the area adjacent to the reclamation sites were also impacted by mining. In many cases, these areas should have also been identified in the bid package for remediation. This was particularly obvious where a shaft or adit had been backfilled and adjacent there were several additional prospects which could have also been backfilled and revegetated. The construction inspector should have directed the reclamation contractor to perform this work to accomplish the additional reclamation.

3.4.2 Standard Construction Specifications

The combination woven and barbed wired fencing that was specified in HMO construction bid packages was not appropriate at a number of sites where the landscape was not flat at the shaft site. The woven wire could not effectively be stretched to compensate for changes

in contour along the fence line. Large gaps were left under the bottom of the woven wire where access can easily be gained into the enclosure.

Self supporting gates should not be specified in fence enclosures. The gates installed at the Phase 2, Marysville sites have all been stolen, leaving gaps along the fence line, providing access.

3.4.3 Post Construction Inspection

Construction contractors are obligated, by contract, as specified in AMR construction bid packages, to guaranty all materials and work performed for a period of one year from the date of substantial completion of the project. This one year period provides the AMRB or designated representative an opportunity to visit all mine openings constructed to ensure adequacy of the reclamation work performed, have any deficiencies remediated, and monitor backfill sites for subsidence. If such a practice had been instituted from the beginning of the HMO construction program, specified sites would never have been left unreclaimed and deficiencies such as unpainted steel grates could have been corrected at the contractors expense.

3.4.4 Final Reports

Final reports should reconcile the reclamation specified in the construction bid package with the reclamation actually constructed. During the maintenance inventory, four sites were identified that were slated for reclamation in construction bid packages but appeared never to have been constructed. One must assume that these sites were intentionally dropped from the project after the construction contract was awarded. There is no mention of these sites in the project final reports that would reconcile why they were dropped from their respective projects. Table 3.4 identifies the sites in question which should be included in a future HMO construction phase.

TABLE 3.4

**HAZARDOUS MINE OPENING PROJECT
SPECIFIED RECLAMATION SITES - NOT CONSTRUCTED**

PROJECT	COUNTY	DISTRICT	SITE	MINE OPENING	SPECIFIED RECLAMATION
Phase 11	Lewis & Clark	Helena	Touchstone	Adit #1	Backfill
Phase 18	Broadwater	Three Forks	Copper City	Shaft #6	Wood Cover
Phase 11	Judith Basin	Hughesville	Myrtle Navy	Adit #1	Adit Door
Phase 20	Jefferson	Clancy	Mineral Hill	Adit #1	Backfill

APPENDIX A
PROJECT LOCATIONS

APPENDIX A

HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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** Phase 01						
Phase 01	25-051	Lewis & Clark	Helena	Grizzly Gulch II	Gunn	T09N R04W S03 NW SE
Phase 01	25-045	Lewis & Clark	Helena	Cycle	Hubbard-Cycle	T09N R04W S02 NE
Phase 01	25-070	Lewis & Clark	Helena	Colorado Gulch	Stiller	T09N R05W S13 NE NE
Phase 01	25-071	Lewis & Clark	Helena	Howard/Grizzly I	Tangen	T10N R04S S35
Phase 01	25-048	Lewis & Clark	Scratchgravel	Julia	Anders-Julia	T10N R04W S02 NE NE
Phase 01	25-089	Lewis & Clark	Scratchgravel	John G. Mine I	John G. Mine	T11N R04W S26 NW NE
Phase 01	25-108	Lewis & Clark	Scratchgravel	Lexington	Lexington	T11N R04W S35 SW SE
Phase 01	25-094	Lewis & Clark	Scratchgravel	Oompaul	Lovely-Oompaul	T11N R04W S35 SE
Phase 01	25-093	Lewis & Clark	Scratchgravel	Bonanza/Gray Rock	North Saddle	T11N R04W S36 SW
Phase 01	25-079	Lewis & Clark	Scratchgravel	South Saddle	South Saddle	T10N R04W S01 NE NW
Phase 01	25-014	Lewis & Clark	York	Golden Messenger	Golden Messenger	T11N R01W S04 SW NW
** Phase 02						
Phase 02	25-061	Lewis & Clark	Marysville	Bald Mountain	Cruse-Belmont	T12N R06W S35 NE SW
Phase 02	25-015	Lewis & Clark	Marysville	Empire	Fritsche-Empire	T12N R06W S33 NE NE
Phase 02	25-080	Lewis & Clark	Marysville	Empire II	Fritsche-Empire	T12N R06W S33 NE
Phase 02	25-087	Lewis & Clark	Marysville	Snowdrift	Seifert-Snowdrift	T11N R06W S04
Phase 02	25-084	Lewis & Clark	Marysville	Penobscot	Tetchner-Penobscot	T11N R06W S04 SE
** Phase 03						
Phase 03	22-056	Jefferson	Alhambra	Wall	Wall	T08N R03W S16 NE
Phase 03	22-096	Jefferson	Clancy	Old Dan Tucker	Clancy Creek	T08N R03W S08 NW
Phase 03	22-006	Jefferson	Clancy	Liverpool	Cole-Liverpool	T09N R03W S33 SW
Phase 03	22-086	Jefferson	Clancy	Haynes I	Haynes	T08N R03W S17 NE
Phase 03	22-088	Jefferson	Clancy	Marks/BLM	Marks/BLM	T08N R03W S05
Phase 03	22-087	Jefferson	Clancy	Mammoth	Stiles-Mammoth	T08N R03W S09 NE NE
** Phase 04						
Phase 04	25-029	Lewis & Clark	Blue Cloud	Blue Cloud I	Blue Cloud	T10N R04W S30 S
Phase 04	25-066	Lewis & Clark	Helena	Sparta	Block II, Sparta	T10N R04W S36 NE SE
Phase 04	25-041	Lewis & Clark	Helena	Broadwater	Broadwater	T10N R04W S28 NW
Phase 04	25-056	Lewis & Clark	Helena	Mount Helena Park	City Park	T10N R04W S36 NW NE
Phase 04	25-052	Lewis & Clark	Helena	Hawkeye	Hawkeye-Chaucer Street	T10N R03W S31 NW SE
Phase 04	25-053	Lewis & Clark	Helena	Davis Gulch I	Kranich	T10N R03W S31 NW SW
Phase 04	25-054	Lewis & Clark	Helena	Le Grand Canyon	Le Grand Canyon	T10N R04W S27 NE SE
Phase 04	25-055	Lewis & Clark	Helena	Lombardy	Lombardy	T10N R04W S27 S
Phase 04	25-074	Lewis & Clark	Helena	Davis Gulch III	USFS-Davis	T09N R04W S01 NW SE
** Phase 05						
Phase 05	12-004	Deer Lodge	Silver Lake	Gold Coin	Gold Coin	T05N R13W S20 SE NE
** Phase 07						
Phase 07	01-019	Beaverhead	Argenta	Anaconda	Anaconda	T06S R10W S29 NW NW
Phase 07	01-010	Beaverhead	Argenta	Gladstone/Madison	Argenta & Madison	T06S R11W S13 NE SE
Phase 07	01-018	Beaverhead	Argenta	Brownell	Brownell	T06S R10W S30 NE NE
Phase 07	01-023	Beaverhead	Argenta	Carbonate	Carbonate	T06S R10W S18 NE SW
Phase 07	01-020	Beaverhead	Argenta	Coolidge	Coolidge	T06S R10W S18 SW SE
Phase 07	01-016	Beaverhead	Argenta	Copper Bell	Copper Bell	T06S R10W S29 SE NW
Phase 07	01-017	Beaverhead	Argenta	Hand/Mauldin	Hand	T06S R10W S29 NW NW

APPENDIX A

HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BIO PACKAGE NAME	LEGAL DESCRIPTION
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Phase 07	01-015	Beaverhead	Argenta	Iron Mountain	Iron Mountain	T06S R10W S30 NE
Phase 07	01-024	Beaverhead	Argenta	Jack Rabbit	Jack Rabbit	T06S R10W S29 SE NW
Phase 07	01-025	Beaverhead	Argenta	Midnite	Midnite	T06S R11W S13 SE SE
Phase 07	01-026	Beaverhead	Argenta	Sylvia	Sylvia	T06S R11W S13 SE SE
** Phase 08						
Phase 08	01-006	Beaverhead	Bannack	Apex Mill Site	Apex Mill Site	T08S R11W S07 SW NE
Phase 08	01-027	Beaverhead	Bannack	Beaverhead	Beaverhead	T08S R11W S05 S SW
Phase 08	01-028	Beaverhead	Bannack	Bluegrass	Bluegrass	T08S R11W S05 SE SW
Phase 08	01-029	Beaverhead	Bannack	Gold Bug	Gold Bug	T08S R11W S05 SE SW
Phase 08	01-030	Beaverhead	Bannack	Hand Placer	Hand Placer	T08S R11W S05 SW SW
Phase 08	01-055	Beaverhead	Bannack	Washington	Hand Placer	T08S R11W S08 NE NW
Phase 08	01-031	Beaverhead	Bannack	Gold Leaf/ Priscilla	Hanson Properties	T08S R11W S08 SW NW
Phase 08	01-032	Beaverhead	Bannack	Junction	Hanson Properties	T08S R11W S08 NW NW
Phase 08	01-039	Beaverhead	Blue Wing	Del Monte	Del Monte	T07S R11W S28 SE NW
** Phase 09						
Phase 09	22-123	Jefferson	Helena	Diehl I	Diehl	T09N R03W S05 NE SE
Phase 09	22-124	Jefferson	Helena	Diehl II	Diehl	T09N R03W S05 SW NW
Phase 09	22-100	Jefferson	Helena	Walker I	Walker	T09N R03W S04 SE NE
Phase 09	22-099	Jefferson	Helena	Walker II	Walker	T09N R03W S03 SW NW
Phase 09	22-050	Jefferson	McClellan	Euclid	Maupin Creek	T08N R02W S17 NW
Phase 09	22-051	Jefferson	McClellan	Maupin Creek	Maupin Creek	T08N R02W S08,17
Phase 09	22-042	Jefferson	McClellan	McClellan Creek	McClellan Creek	T09N R02W S32 SE SW
Phase 09	22-053	Jefferson	McClellan	Mill Creek	Mill Creek	T08N R02W S07 SW SE
Phase 09	22-055	Jefferson	McClellan	Strawberry Creek	Strawberry Creek	T08N R02W S07 NE NW
Phase 09	22-035	Jefferson	Montana City	Dike	Oike	T09N R02W S18 SE NW
Phase 09	22-026	Jefferson	Montana City	Overland/Golddug	Golddug	T09N R02W S18 SE NE
Phase 09	22-370	Jefferson	Montana City	Kaiser-Augusta	Kaiser	T09N R02W S18 SW NW
Phase 09	25-095	Lewis & Clark	Helena	May-be-So	May-be-So	T09N R03W S04 NE
Phase 09	25-096	Lewis & Clark	Helena	Mt Ascension Heights	Mt Ascension Heights	T10N R03W S31 NE SW
Phase 09	25-097	Lewis & Clark	Helena	Red Letter	Red Letter	T09N R03W S04 NW NW
Phase 09	25-098	Lewis & Clark	Helena	Susie	Susie	T09N R03W S06 NE NE
** Phase 11						
Phase 11	25-099	Lewis & Clark	Helena	Touchstone II	Touchstone Quarry	T10N R03W S31 NE SE
** Phase 10						
Phase 10	25-063	Lewis & Clark	Marysville	Carbonate	Carbonate	T11N R06W S10 NE
Phase 10	25-075	Lewis & Clark	Marysville	Crossroads	Crossroads	T11N R06W S01 NW NW
Phase 10	25-077	Lewis & Clark	Marysville	Earthquake	Earthquake	T11N R06W S05 SW NE
Phase 10	25-081	Lewis & Clark	Marysville	Bald Butte	Gulf	T11N R06W S09
Phase 10	25-083	Lewis & Clark	Marysville	Northside	Northside	T12N R06W S36 SE NE
Phase 10	25-085	Lewis & Clark	Marysville	Shakopee	Shakopee	T11N R06W S04 NW
Phase 10	25-086	Lewis & Clark	Marysville	Shannon	Shannon	T11N R06W S03 NW SE
Phase 10	25-088	Lewis & Clark	Marysville	Tom Moran	Tom Moran	T11N R06W S04,05
Phase 10	25-090	Lewis & Clark	Marysville	Towsley I	Towsley	T11N R06W S04 NW
Phase 10	25-091	Lewis & Clark	Marysville	Towsley II	Towsley Unpatented	T11N R06W S04 NW

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HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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** Phase 11						
Phase 11	22-034	Jefferson	Montana City	Nancy Hanks/Faith	Nancy Hanks/Faith	T09N R03W S09 SE SE
Phase 11	25-028	Lewis & Clark	Austin	War Eagle	War Eagle	T10N R05W S10 NE
Phase 11	25-043	Lewis & Clark	Helena	Chaucer Quarry	Chaucer Quarry	T10N R03W S31 NE SW
Phase 11	25-057	Lewis & Clark	Helena	96/Phoenix	Ninety Six	T10N R04W S36 NE SE
** Phase 09						
Phase 09	25-072	Lewis & Clark	Helena	Touchstone I	Touchstone	T10N R03W S32 NW SW
** Phase 11						
Phase 11	25-050	Lewis & Clark	Helena	Grizzly Gulch III	White Dump	T10N R04W S36 NW SW
Phase 11	25-003	Lewis & Clark	Rimini	Justice	Justice	T08N R05W S06 SW
Phase 11	25-105	Lewis & Clark	Scratchgravel	Aster	Aster-Silver Age	T11N R04W S33 SE NE
Phase 11	25-110	Lewis & Clark	Scratchgravel	Elma	Elma & Section 27	T11N R04W S27 SE
Phase 11	25-111	Lewis & Clark	Scratchgravel	Head Lane	Head Lane	T11N R04W S34 SW NE
Phase 11	25-112	Lewis & Clark	Scratchgravel	John G. Mine II	John G. Mine	T11N R04W S26 NE NE
** Phase 12						
Phase 12	20-040	Granite	Philipsburg	Basin	Basin	T07N R14W S25 SE NE
Phase 12	20-041	Granite	Philipsburg	Bay Horse	Bay Horse	T07N R13W S30 NW NE
Phase 12	20-061	Granite	Philipsburg	Chicago	Chicago	T07N R13W S19 SE SE
Phase 12	20-042	Granite	Philipsburg	Climax	Climax	T07N R13W S29 SW SW
Phase 12	20-045	Granite	Philipsburg	Gertrude/Bryant	Gertrude/Bryant	T07N R13W S30 NE SW
Phase 12	20-046	Granite	Philipsburg	Elizabeth	Granite Mountain	T07N R13W S32 SW
Phase 12	20-047	Granite	Philipsburg	GreatWestern/ShooFly	Granite Mountain	T07N R13W S31 SW SE
Phase 12	20-026	Granite	Philipsburg	Zeus	Granite Mountain	T07N R13W S32 SW
Phase 12	20-032	Granite	Philipsburg	Parnell	Granite Mountain	T07N R13W S32 SW
Phase 12	20-048	Granite	Philipsburg	Grey	Grey	T07N R13W S30 SE NW
Phase 12	20-049	Granite	Philipsburg	Headlight	Headlight	T07N R13W S30 NE NE
Phase 12	20-050	Granite	Philipsburg	Cadgie Taylor	Hope Hill	T07N R13W S19 SW NE
Phase 12	20-051	Granite	Philipsburg	Hope Hill	Hope Hill	T07N R13W S19 SW NE
Phase 12	20-052	Granite	Philipsburg	Sweet Home/Ranchero	Hope Hill	T07N R13W S19 NW SE
Phase 12	20-001	Granite	Philipsburg	Potosi	Hope Hill	T07N R13W S19 NW SE
Phase 12	20-054	Granite	Philipsburg	IB	IB	T07N R13W S19 NE SE
Phase 12	20-055	Granite	Philipsburg	Lucy	Lucy	T07N R13W S30 NE NW
Phase 12	20-056	Granite	Philipsburg	Mary B.	Mary B.	T07N R14W S25 NE NE
Phase 12	20-057	Granite	Philipsburg	Mountain View	Mountain View	T07N R13W S30 NW NW
Phase 12	20-060	Granite	Philipsburg	Star Pointer	Star Pointer	T07N R13W S30 NW NW
Phase 12	20-019	Granite	Philipsburg	Scratch All	Trout-Scratch All	T07N R13W S30 NE SE
Phase 12	20-062	Granite	Philipsburg	Trout	Trout-Scratch All	T07N R13W S30 NE SE
Phase 12	20-063	Granite	Philipsburg	True	True	T07N R13W S30 NE NW
** Phase 13						
Phase 13	04-004	Broadwater	Radersburg	Black Friday	Black Friday	T05N R01W S24 NW
Phase 13	04-027	Broadwater	Radersburg	Bluebird	Bluebird-Gopher	T05N R01W S24 SW NW
Phase 13	04-028	Broadwater	Radersburg	Gopher	Bluebird-Gopher	T05N R01W S24 NW SE
Phase 13	04-029	Broadwater	Radersburg	Copper Queen	Copper King/Queen	T05N R01W S09 NE NE
Phase 13	04-031	Broadwater	Radersburg	Gold Dust	Gold Dust	T05N R01W S13 NE
Phase 13	04-032	Broadwater	Radersburg	Greenhorn	Greenhorn	T05N R01W S12 NE SE
Phase 13	04-033	Broadwater	Radersburg	Iron Age	Iron Age	T05N R01W S24 NW

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HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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Phase 13	04-034	Broadwater	Radersburg	Jo Dandy	Jo Dandy	T05N R01W S28 SE
Phase 13	04-035	Broadwater	Radersburg	Johnny Gulch	Johnny Gulch	T05N R01W S23 SE
Phase 13	04-122	Broadwater	Radersburg	Keating	Keating	T05N R01W S13 NE
Phase 13	04-030	Broadwater	Radersburg	Gold Brick	Lucky Friday/E/Gold Brick	T05N R01W S13 NW
Phase 13	04-058	Broadwater	Radersburg	Eldorado	Lucky Friday/Eldorado/GB	T05N R01W S13 NW
Phase 13	04-059	Broadwater	Radersburg	Lucky Friday	Lucky Friday/Eldorado/GB	T05N R01W S12 SW
Phase 13	04-037	Broadwater	Radersburg	Mabel	Mabel	T05N R01W S12 SW
Phase 13	04-038	Broadwater	Radersburg	Nada	Nada-Ruby	T04N R01W S04 NW NW
Phase 13	04-065	Broadwater	Radersburg	Ruby	Nada-Ruby	T05N R01W S33 NW
Phase 13	04-039	Broadwater	Radersburg	North Home	North Home	T05N R01W S21 NW
Phase 13	04-042	Broadwater	Radersburg	Rena	Rena	T05N R01W S07 SW
Phase 13	04-044	Broadwater	Radersburg	Summit/Lode Star	Summit	T04N R01W S17 SW
Phase 13	04-041	Broadwater	Radersburg	Powerline	Surprise-Powerline	T05N R01W S07 SW
Phase 13	04-045	Broadwater	Radersburg	Surprise	Surprise-Powerline	T05N R01E S07 SW
Phase 13	04-060	Broadwater	Radersburg	Tidal Wave	Tidal Wave	T05N R01W S13 NE
Phase 13	04-046	Broadwater	Radersburg	Vermont MarbleQuarry	Vermont Marble Quarry	T05N R01E S04 NE
** Phase 14						
Phase 14	47-012	Silver Bow	Highland	Eclipse/Monitor	Gold Hill	T01S R08W S12 NE SW
Phase 14	47-013	Silver Bow	Highland	Murphy/Only Chance	Murphy/Only Chance	T01N R07W S31 NE SE
Phase 14	47-014	Silver Bow	Independence	Butte West	Butte West	T03N R08W S09,10,15
Phase 14	47-015	Silver Bow	Independence	Butte-Zenith	Butte-Zenith	T03N R08W S18 N
Phase 14	47-017	Silver Bow	Independence	Empire/Strike	Empire/Strike	T03N R08W S22 SW
Phase 14	47-019	Silver Bow	Independence	Green Lake	Green Lake	T03N R08W S15 NE SE
Phase 14	47-018	Silver Bow	Independence	Nissler	Nissler Forest Service	T03N R08W S30 NE
** Phase 15						
Phase 15	14-013	Fergus	North Moccasin	Barnes-King	Barnes-King	T18N R18E S32 NW NW
Phase 15	14-016	Fergus	North Moccasin	Horse Shoe	Horse Shoe	T18N R18E S29 NE SW
Phase 15	14-021	Fergus	North Moccasin	Kendall	Kendall	T18N R18E S31 NW SE
** Phase 16						
Phase 16	14-001	Fergus	Warm Springs	Big Six	Big Six	T16N R20E S31 NW NW
Phase 16	14-091	Fergus	Warm Springs	G.E.	G.E.	T16N R20E S31 NE NW
Phase 16	14-015	Fergus	Warm Springs	McEvaney	Kix-McEvaney	T16N R20E S31 NW NW
Phase 16	14-090	Fergus	Warm Springs	Prester John	Prester John	T16N R20E S30 SW
Phase 16	14-024	Fergus	Warm Springs	Whiskey Gulch	Whiskey Gulch	T16N R20E S31 NW
** Phase 17						
Phase 17	14-028	Fergus	Warm Springs	Pilgrim	Crystal Peak-Pilgrim	T17N R20E S32 SE SW
Phase 17	14-027	Fergus	Warm Springs	Florence/Get Even	Crystl Pk-Florence/Gt Evn	T17N R20E S32 SW SE
Phase 17	14-017	Fergus	Warm Springs	Cumberland	Gold Hill-Cumberland	T16N R20E S05 NE NE
Phase 17	14-014	Fergus	Warm Springs	Silver Bullion	Grassy Mtn-Silver Bullion	T17N R20E S30 NW SE
Phase 17	14-023	Fergus	Warm Springs	Western Mines #1	Western Mines	T16N R19E S11 NW NE

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HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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** Phase 18						
Phase 18	01-044	Seaverhead	Quartz Hill	Churchill	Dewey	T01S R10W S05 NW SW
Phase 18	04-015	Broadwater	Hellgate	Argo	Argo	T11N R01E S27 NW NE
Phase 18	04-047	Broadwater	Three Forks	Copper City I	Copper City	T03N R01E S25 NW SE
Phase 18	04-048	Broadwater	Three Forks	Mud Spring Gulch	Copper City	T03N R01E S29 NE SE
Phase 18	04-063	Broadwater	Three Forks	Copper City II	Copper City	T03N R01E S26 NW
Phase 18	12-013	Deer Lodge	Georgetown	B - Group	B - Group	T05N R13W S09 W
Phase 18	12-018	Deer Lodge	Georgetown	Middle of the Road	Middle of the Road	T05N R13W S09 SW
Phase 18	12-017	Deer Lodge	Georgetown	Pomeroy	Pomeroy	T05N R13W S09 NW NE
Phase 18	12-019	Deer Lodge	Lost Creek	Great Eastern	Great Eastern	T05N R11W S10 SW SW
Phase 18	12-015	Deer Lodge	Silver Lake	Isabelle	Daly Gulch	T05N R13W S16 NW SW
Phase 18	12-011	Deer Lodge	Silver Lake	Old Bonanza	Old Bonanza	T05N R13W S21 NE SE
Phase 18	12-012	Deer Lodge	Silver Lake	Silver Reef	Silver Reef	T05N R13W S22 SW NW
Phase 18	20-038	Granite	Garnet	Shamrock	BLM-Shamrock	T12N R13W S03 SW NE
Phase 18	20-035	Granite	Garnet	Garnet	Garnet Group	T12N R14W S03 SW NW
Phase 18	22-098	Jefferson	Big Foot	Clark	Clark	T04N R05W S14 NW SE
Phase 18	22-080	Jefferson	Big Foot	Hoosier Boy	Hoosier Boy	T04N R05W S14 SW NE
Phase 18	22-081	Jefferson	Big Foot	Nickel Plate	Nickel Plate	T04N R05W S12 SE SW
Phase 18	22-082	Jefferson	Big Foot	South Fork	South Fork	T04N R05W S24 NE NW
Phase 18	22-107	Jefferson	Elkhorn	Dunstone/Klondyke	Dunstone	T06N R03W S11 SW SE
Phase 18	22-108	Jefferson	Elkhorn	James R. Keene	James R. Keene	T06N R03W S11 SE SW
Phase 18	22-109	Jefferson	Elkhorn	Louise	Louise	T06N R03W S11 NE
Phase 18	22-113	Jefferson	Elkhorn	Union	Union	T06N R03W S11 NE NW
Phase 18	22-025	Jefferson	Little	Colbert Creek	Colbert Creek	T01N R06W S01 NW NW
			Pipestone			
Phase 18	22-015	Jefferson	Little	Defiance	Toll Mountain	T01N R06W S04 SE SW
			Pipestone			
Phase 18	22-016	Jefferson	Little	Whiskey Gulch	Whiskey Gulch	T02N R06W S35 NW SW
			Pipestone			
Phase 18	22-019	Jefferson	Pipestone	Columbia	Columbia	T02N R05W S16 W
Phase 18	22-021	Jefferson	Pipestone	Ringing Rocks	Ringing Rocks	T02N R05W S09 NW
Phase 18	25-010	Lewis & Clark	Ophir	Victory/Evening Star	Victory	T11N R07W S17 SW NE
Phase 18	30-004	Meagher	Castle	Cumberland	Cumberland	T08N R08E S14 NE SE
			Mountains			
Phase 18	30-011	Meagher	Castle	Judge	Judge	T09N R08E S36 NE SE
			Mountains			
Phase 18	30-013	Meagher	Castle	Lucky Dollar	Lucky Dollar	T08N R08E S12 SE NE
			Mountains			
Phase 18	30-015	Meagher	Castle	Yellowstone	Yellowstone	T08N R08E S11 NW NE
			Mountains			
Phase 18	30-006	Meagher	Murray	A-C Ranch	A-C Ranch	T07N R06E S21 NE
Phase 18	39-013	Powell	Garrison	Gravelly	Gravelly	T10N R09W S02 SW
Phase 18	39-019	Powell	Ophir	Fairview	Fairview	T11N R08W S25 SW NE
Phase 18	39-028	Powell	Orofino	Orofino Campground	Orofino Campground	T06N R08W S16 NW
Phase 18	47-024	Silver Bow	Melrose	Copper King	Copper King	T02S R08W S06 SW SW
Phase 18	47-025	Silver Bow	Melrose	Emma Nevada	Emma Nevada	T02S R08W S06 NW NW
** Phase 19						
Phase 19	07-089	Cascade	Hughesville	Silver Bell	Silver Bell	T15N R09E S07 SW
Phase 19	07-079	Cascade	Neihart	Broadwater	Broadwater	T14N R08E S32 SE NE

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HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
Phase 19	07-082	Cascade	Neihart	Hartley	Hartley	T14N R08E S29 SE SE
Phase 19	07-083	Cascade	Neihart	I.X.L./Eureka	I.X.L.	T14N R08E S28 NW NE
Phase 19	07-085	Cascade	Neihart	Queen of the Hills	Queen of the Hills	T14N R08E S29 SE SW
Phase 19	07-086	Cascade	Neihart	Silver Dyke/Glory Hole	Silver Dyke	T14N R08E S10 SE SW
Phase 19	14-022	Fergus	Warm Springs	Maginnis	Maginnis	T16N R20E S06 SE
Phase 19	14-020	Fergus	Warm Springs	Old Batch/Peso	Old Batch/Peso (C.O.Site)	T16N R19E S15 NW
Phase 19	20-029	Granite	Moose Lake	Moose Lake	Moose Lake	T04N R16W S25 SE NW
Phase 19	23-001	Judith Basin	Hughesville	Block P	Block P	T15N R09E S06 SW
Phase 19	23-018	Judith Basin	Hughesville	Cape Nome	Cape Nome	T16N R09E S31 NW SW
Phase 19	23-019	Judith Basin	Hughesville	Carter	Carter	T15N R09E S06 SW NW
Phase 19	23-020	Judith Basin	Hughesville	Defiance	Defiance	T15N R09E S07 NE NW
Phase 19	23-022	Judith Basin	Hughesville	Marcelline	Marcelline	T15N R09E S07 SE NW
Phase 19	23-023	Judith Basin	Hughesville	Myrtle Navy	Myrtle Navy	T15N R09E S07 SE NW
Phase 19	29-011	Madison	Red Bluff	Birdie	Birdie	T03S R01E S19 NW NW
Phase 19	29-012	Madison	Red Bluff	Black Rock	Black Rock	T03S R01W S24 NE NE
Phase 19	29-013	Madison	Red Bluff	Boaz	Boaz	T03S R01E S19 NW SW
Phase 19	29-014	Madison	Red Bluff	Chainsaw	Chainsaw	T03S R01W S13 SE SE
Phase 19	29-015	Madison	Red Bluff	East Norris	East Norris	T03S R01E S18 SW SW
Phase 19	29-017	Madison	Red Bluff	Gold Cup	Gold Cup	T03S R01E S08 NW SW
Phase 19	29-018	Madison	Red Bluff	Grey Eagle/Black Fox	Grey Eagle	T03S R01E S30 NW
Phase 19	29-019	Madison	Red Bluff	Red Bluff	Red Bluff	T03S R01E S18 NW NE
Phase 19	29-022	Madison	Red Bluff	Water/Mohegan	Water	T03S R01E S19 NE NE
Phase 19	29-023	Madison	Revenue	Arctic/Monitor	Arctic/Monitor	T03S R01W S31 SW NE
Phase 19	29-024	Madison	Revenue	Emperor	Emperor	T03S R01W S31 NE NW
Phase 19	29-025	Madison	Revenue	Hidden Treasure	Hidden Treasure	T03S R01W S31 SW NE
Phase 19	29-086	Madison	Revenue	Idaho	Idaho	T03S R01W S31 NW NW
Phase 19	29-027	Madison	Revenue	Income	Income	T03S R01W S31 SW NE
Phase 19	29-028	Madison	Revenue	Pearl	Pearl	T03S R01W S30 SW SW
Phase 19	29-074	Madison	Rochester	Thistle II	(Change Order Site)	T03S R07W S05 SE SW
Phase 19	29-049	Madison	Rochester	Abbie Alice	Abbie Alice	T02S R07W S32 E NE
Phase 19	29-052	Madison	Rochester	Ajax	Ajax	T03S R08W S01 NW NW
Phase 19	29-053	Madison	Rochester	Badger	Badger	T03S R07W S06 SE SE
Phase 19	29-054	Madison	Rochester	Big Bonanza	Big Bonanza	T02S R07W S29 SE NE
Phase 19	29-056	Madison	Rochester	Champion	Champion	T02S R07W S31 SE SE
Phase 19	29-057	Madison	Rochester	Cooper	Cooper	T03S R07W S07 NE NE
Phase 19	29-058	Madison	Rochester	Deadbeat	Deadbeat	T02S R07W S29 NW SE
Phase 19	29-059	Madison	Rochester	Eclipse	Eclipse	T03S R07W S08 SW NE
Phase 19	29-062	Madison	Rochester	Extension	Extension	T03S R07W S06 SE SE
Phase 19	29-063	Madison	Rochester	Longfellow	Longfellow	T03S R07W S06 NE SE
Phase 19	29-066	Madison	Rochester	NY #2	NY #2	T02S R07W S33 SW NW
Phase 19	29-064	Madison	Rochester	New	New	T03S R07W S06 SE NW
Phase 19	29-065	Madison	Rochester	New Years	New Years	T02S R07W S33 SW NW
Phase 19	29-067	Madison	Rochester	Nez Nob II	Nez Nob	T03S R07W S07 SE SE
Phase 19	29-068	Madison	Rochester	Nez Nob I	Nez Nob	T03S R07W S07 NE SE
Phase 19	29-069	Madison	Rochester	North Star	North Star	T03S R07W S06 NE SE
Phase 19	29-070	Madison	Rochester	Picard	Picard	T02S R07W S29 NW SE
Phase 19	29-050	Madison	Rochester	S-K	S-K	T02S R07W S32 E NE
Phase 19	29-072	Madison	Rochester	S-N	S-N	T02S R07W S32 NE NE
Phase 19	29-071	Madison	Rochester	Shoe Maker	Shoe Maker	T03S R07W S08 SW NW

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HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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Phase 19	29-073	Madison	Rochester	Thistle I	Thistle	T03S R07W S05 SE SW
Phase 19	29-075	Madison	Rochester	Watseca	Watseca	T02S R07W S32 SW NW
Phase 19	41-003	Ravalli	Curlew	Curlew	Curlew	T08N R21W S14 NW NE
Phase 19	41-002	Ravalli	Three Mile	White Cloud	White Cloud	T10N R19W S02 SE NW
** Phase 20						
Phase 20	01-033	Beaverhead	Birch Creek	Greenstone	Greenstone	T05S R10W S11 NW SE
Phase 20	01-034	Beaverhead	Birch Creek	Indian Queen	Indian Queen	T05S R10W S15 NE SE
Phase 20	01-035	Beaverhead	Birch Creek	Kopper Koine	Kopper Koine	T05S R10W S15 SW SE
Phase 20	01-036	Beaverhead	Birch Creek	Limestone Quarry	Limestone Quarry	T05S R10W S14 SW SW
Phase 20	01-037	Beaverhead	Birch Creek	Velvet	Velvet	T05S R10W S22 SE NW
Phase 20	01-012	Beaverhead	Quartz Hill	Argyle	Argyle	T01S R11W S25 SW SE
Phase 20	01-042	Beaverhead	Quartz Hill	Aurora/Humboldt	Aurora/Humboldt	T01S R11W S25 SW NE
Phase 20	01-043	Beaverhead	Quartz Hill	Bonanza	Bonanza	T01S R11W S25 NE SE
Phase 20	01-045	Beaverhead	Quartz Hill	Daisy	Daisy/Gray Jockey	T01S R11W S25 SW NE
Phase 20	01-046	Beaverhead	Quartz Hill	Great Western	Great Western	T01S R11W S25 NW SE
Phase 20	01-011	Beaverhead	Quartz Hill	Pettengill	Pettengill	T01S R11W S25 NE SE
Phase 20	01-004	Beaverhead	Quartz Hill	Quartz Hill	Quartz Hill	T01S R11W S25 SWNE
Phase 20	01-049	Beaverhead	Quartz Hill	Tucson	Tucson	T01S R11W S25 SW NE
Phase 20	01-041	Beaverhead	Quartz Hill	Twin Fir	Twin Fir	T01S R11W S25 SW SE
Phase 20	01-050	Beaverhead	Quartz Hill	West Lone Pine	West Lone Pine	T01S R11W S25 SE SE
Phase 20	04-019	Broadwater	Indian Creek	Blacksmith	Blacksmith	T06N R01W S01 SW
Phase 20	04-021	Broadwater	Indian Creek	Iron Mask	Iron Mask	T07N R01W S24 SW SE
Phase 20	04-022	Broadwater	Indian Creek	Little Giant	Little Giant	T06N R01W S02 NE NE
Phase 20	04-023	Broadwater	Indian Creek	Lookout	Lookout	T07N R01W S25 SE NE
Phase 20	04-025	Broadwater	Indian Creek	Silver Wave	Silver Wave	T07N R01W S26 SE NW
Phase 20	04-026	Broadwater	Indian Creek	W.A. Clark	W.A. Clark	T06N R01W S02 NW NE
Phase 20	04-049	Broadwater	Winston	Antelope Creek	Antelope Creek	T09N R01W S32 NW SW
Phase 20	04-050	Broadwater	Winston	Golden Age	Golden Age	T08N R01W S34 SW SE
Phase 20	04-051	Broadwater	Winston	Kelly Gulch	Kelly Gulch	T08N R01E S19 SW SW
Phase 20	04-052	Broadwater	Winston	Kimber Gulch	Kimber Gulch	T08N R01E S30 SW SE
Phase 20	04-053	Broadwater	Winston	Marion	Marion	T08N R01W S35 NE NE
Phase 20	04-054	Broadwater	Winston	Orphan Boy	Orphan Boy	T08N R01W S04 NE NE
Phase 20	04-055	Broadwater	Winston	Staubach Trail	Staubach Trail	T08N R01W S04 NE SW
Phase 20	04-056	Broadwater	Winston	Whitehead Ranch	Whitehead Ranch	T08N R01W
Phase 20	12-006	Deer Lodge	Lost Creek	Hoodoo Mountain	Hoodoo Mountain	T05N R11W S14 NE
Phase 20	12-016	Deer Lodge	Lost Creek	Little Bear	Little Bear	T05N R11W S15 NE NW
Phase 20	22-059	Jefferson	Amazon	Baltimore	Baltimore	T06N R04W S07 NE SW
Phase 20	22-061	Jefferson	Amazon	Cleveland	Cleveland	T06N R04W S05 SE
Phase 20	22-062	Jefferson	Amazon	Great Northern	Great Northern	T06N R04W S09 NW
Phase 20	22-067	Jefferson	Amazon	Hope/Bullion	Hope/Bullion	T06N R04W S06 NW NW
Phase 20	22-063	Jefferson	Amazon	Kanawha	Kanawha	T07N R04W S31 SW SE
Phase 20	22-064	Jefferson	Amazon	Pilot	Pilot	T06N R04W S04 NE NW
Phase 20	22-065	Jefferson	Amazon	Wilbur Silver North	Wilbur Silver North	T07N R04W S32 NW SE
Phase 20	22-084	Jefferson	Clancy	Tick City	Clancy Creek	T08N R03W S08 NE NE
Phase 20	22-085	Jefferson	Clancy	Haynes II	Haynes II	T08N R03W S17 NE SE
Phase 20	22-013	Jefferson	Clancy	Lump Gulch	Lump Gulch	T09N R03W S32 SW SE
Phase 20	22-089	Jefferson	Clancy	Marks/Lump Gulch	Marks/Lump Gulch	T08N R03W S04 NW NW
Phase 20	22-090	Jefferson	Clancy	Marks/Ridge Line	Marks/Ridge Line	T08N R03W S07 NE SW
Phase 20	22-091	Jefferson	Clancy	Meadow	Meadow	T09N R03W S34 SE SW

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PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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Phase 20	22-092	Jefferson	Clancy	Mineral Hill	Mineral Hill	T08N R04W S14 SE NE
Phase 20	22-094	Jefferson	Clancy	Moonlight	Moonlight	T09N R03W S33 SE NW
Phase 20	22-038	Jefferson	Clancy	New Stake	New Stake	T08N R03W S09 NW SE
Phase 20	22-095	Jefferson	Clancy	Old Abe	Old Abe	T09N R03W S33 SE
Phase 20	22-011	Jefferson	Clancy	Tycoon	Tycoon	T09N R03W S33 E SE
Phase 20	22-115	Jefferson	Lowland	Amason	Amason	T05N R07W S14
Phase 20	22-116	Jefferson	Lowland	Kit Carson	Kit Carson	T05N R07W S11 SW NW
Phase 20	22-010	Jefferson	Lowland	Mabel	Mabel	T05N R07W S12 SW SW
Phase 20	22-117	Jefferson	Lowland	Montreal Star	Montreal Star	T04N R07W S03 SW SW
Phase 20	25-031	Lewis & Clark	Blue Cloud	Blue Cloud II	Section 12-Blue Cloud	T10N R05W S12 N
Phase 20	25-044	Lewis & Clark	Helena	Contention	Contention	T09N R04W S15 NE NE
Phase 20	25-046	Lewis & Clark	Helena	Dry Gulch	Dry Gulch	T09N R04W S12 NW SW
Phase 20	25-049	Lewis & Clark	Helena	Gray Rock	Gray Rock	T09N R04W S11 SW
Phase 20	25-344	Lewis & Clark	Helena	Independence	Gray Rock C.O.	T09N R04W S11 NE SW
Phase 20	25-064	Lewis & Clark	Helena	Orofino Ridge	Orofino Ridge	T09N R04W S01 N NW
Phase 20	25-023	Lewis & Clark	Scratchgravel	Scratchgravel I	Scratchgravel	T10N R04W S01 SW SW
Phase 20	25-100	Lewis & Clark	Scratchgravel	McLeod	Scratchgravel	T10N R04W S01,02 SE
Phase 20	25-101	Lewis & Clark	Scratchgravel	Witch of Ender	Scratchgravel	T10N R04W S01 SW SW
Phase 20	25-343	Lewis & Clark	Scratchgravel	Pearson	Scratchgravel	T10N R04W S01 NW SW
Phase 20	29-039	Madison	Renova	Bluebird/Colorado	Bluebird/Colorado	T01S R04W S04 NW NE
Phase 20	29-040	Madison	Renova	Bonanza	Bonanza	T01S R04W S04 NW NW
Phase 20	29-041	Madison	Renova	Bone Basin	Bone Basin	T01S R04W S10 NW SE
Phase 20	29-042	Madison	Renova	Copper Mound	Copper Mound	T01N R04W S34 SE SW
Phase 20	29-044	Madison	Renova	Craig	Craig	T01S R04W S03 NW SW
Phase 20	29-046	Madison	Renova	Gold Leaf	Gold Leaf	T01S R04W S04 NE NE
Phase 20	29-047	Madison	Renova	Little Nugget	Little Nugget	T01N R04W S34 NW SW
Phase 20	29-048	Madison	Renova	Mary Ingabar	Mary Ingabar	T01S R04W S04 NE NW
Phase 20	39-026	Powell	Emery	Cabin	Cabin	T07N R08W S03 SE SW
Phase 20	39-027	Powell	Emery	Emma Darling	Emma Darling	T07N R08W S02 NE SW
** Phase 21						
Phase 21	20-077	Granite	Combination	Bunker Hill	Bunker Hill	T08N R14W S02 NE NW
Phase 21	20-036	Granite	Combination	Sunrise/Queen	Sunrise/Queen	T08N R14W S03 NE NE
Phase 21	20-121	Granite	Dunkleberg	SE Section 14	SE Section 14	T09N R12W S14 SE
Phase 21	20-118	Granite	Dunkleberg	SE Section 15	SE Section 15	T09N R12W S15 SE SE
Phase 21	20-023	Granite	Dunkleberg	Wasa	Wasa	T09N R12W S27 SW SW
Phase 21	20-075	Granite	Maxville	Cominco Phosphate	Cominco Phosphate	T09N R12W S31 SW SE
Phase 21	20-076	Granite	Maxville	Copper State	Copper State	T08N R13W S05 NE NW
Phase 21	20-120	Granite	Maxville	Hattie	Hattie	T08N R13W S06 NE SE
Phase 21	20-112	Granite	Maxville	Londonderry	Londonderry	T08N R13W S05 NE SE
Phase 21	20-113	Granite	Maxville	Red Cloud	Red Cloud	T08N R13W S05 NE SW
Phase 21	20-148	Granite	Maxville	SW Section 5	SW Section 5	T08N R13W S05 SE SW
Phase 21	20-147	Granite	Maxville	Sawmill Creek	Sawmill Creek	T08N R14W S36 NE NW
Phase 21	20-123	Granite	Maxville	Snow Cap	Snow Cap	T08N R12W S18 NW SW
Phase 21	20-005	Granite	Philipsburg	Algonquin	Algonquin	T07N R13W S30 SE SE
Phase 21	20-014	Granite	Philipsburg	Baier	Baier	T07N R14W S36 SW NE
Phase 21	20-074	Granite	Philipsburg	Cliff Gulch	Cliff Gulch	T07N R13W S30 SW SW
Phase 21	20-043	Granite	Philipsburg	Durango	Durango	T07N R13W S30 NE NW
Phase 21	20-157	Granite	Philipsburg	Field/Porter	Field/Porter	T07N R13W S19 NW SW
Phase 21	20-110	Granite	Philipsburg	Granite Mountain	Granite Mountain	T07N R13W S32 NE SE

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PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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Phase 21	20-051	Granite	Philipsburg	Hope Hill	Hope Hill	T07N R13W S19 SW NE
Phase 21	20-071	Granite	Philipsburg	Little Gem	Little Gem	T07N R13W S30 NE SW
Phase 21	20-106	Granite	Philipsburg	Lower Frost Creek	Lower Frost Creek	T07N R13W S30 SW SW
Phase 21	20-108	Granite	Philipsburg	Puritan	Puritan	T07N R13W S29 SE NW
Phase 21	20-033	Granite	Philipsburg	San Francisco	San Francisco	T07N R13W S20 SW SW
Phase 21	20-019	Granite	Philipsburg	Scratch All	Scratch All	T07N R13W S30 NE SE
Phase 21	20-156	Granite	Philipsburg	Shapleigh	Shapleigh	T07N R14W S24 NE SE
Phase 21	20-205	Granite	Philipsburg	South Franklin Hill	South Franklin Hill	T07N R13W S31 NE SE
Phase 21	20-039	Granite	Philipsburg	Thomas McKay/Hobo	Thomas McKay/Hobo	T07N R13W S29 SW NW
Phase 21	20-011	Granite	Philipsburg	Tom Hynes/Hobo	Tom Hynes/Hobo	T07N R13W S29 SW NW
Phase 21	20-062	Granite	Philipsburg	Trout	Trout	T07N R13W S30 NE SE
Phase 21	20-111	Granite	Philipsburg	True Fissure	True Fissure	T07N R13W S30 SW NE
Phase 21	20-073	Granite	Philipsburg	Wenger #2	Wenger #2	T07N R13W S30 SW SW
Phase 21	20-072	Granite	Philipsburg	White Horse	White Horse	T07N R13W S30 NE SW
Phase 21	20-025	Granite	South Boulder	Brooklyn	Brooklyn	T07N R12W S05 SE NW
Phase 21	20-064	Granite	South Boulder	Copper Creek	Copper Creek	T07N R12W S05 NW NW
Phase 21	20-089	Granite	South Boulder	Gold Hill	Gold Hill	T08N R13W S35 W W
Phase 21	20-010	Granite	South Boulder	Moonlight	Moonlight	T08N R12W S20 SW SW
Phase 21	20-155	Granite	South Boulder	Princeton	Princeton	T08N R13W S25 SW NE
Phase 21	20-066	Granite	South Boulder	Royal Basin	Royal Basin	T08N R13W S21 SW SE
Phase 21	20-087	Granite	South Boulder	Travonia	Travonia	T08N R13W S25 SE SE
** Phase 22						
Phase 22	01-125	Beaverhead	Argenta	Albers Spring	Albers Spring	T06S R10W S22 NE NW
Phase 22	01-121	Beaverhead	Argenta	Amaranth/Rbt Burns	Amaranth/Rbt Burns	T06S R10W S30 SE NW
Phase 22	01-014	Beaverhead	Argenta	Cold Day	Cold Day	T06S R10W S29 NW
Phase 22	01-109	Beaverhead	Argenta	Dexter	Dexter	T06S R10W S17 NW NW
Phase 22	01-123	Beaverhead	Argenta	Dexter Gulch	Dexter Gulch	T06S R10W S17 SE NW
Phase 22	01-127	Beaverhead	Argenta	Ferdinand	Ferdinand	T06S R10W S29 NW SE
Phase 22	01-191	Beaverhead	Argenta	Florence	Florence	T06S R11W S24 NE NW
Phase 22	01-100	Beaverhead	Argenta	Gold Finch	Gold Finch	T06S R11W S13 SW NW
Phase 22	01-108	Beaverhead	Argenta	Golden Era	Golden Era	T06S R11W S13 NE NE
Phase 22	01-124	Beaverhead	Argenta	Good Friday Gulch	Good Friday Gulch	T06S R10W S16 SE SW
Phase 22	01-022	Beaverhead	Argenta	Goodview	Goodview	T06S R10W S18 SW SW
Phase 22	01-120	Beaverhead	Argenta	Long John Gulch	Long John Gulch	T05S R10W S34 SW NW
Phase 22	01-119	Beaverhead	Argenta	Madison	Madison	T06S R10W S18 NW SW
Phase 22	01-129	Beaverhead	Argenta	May Day	May Day	T06S R10W S07 SW SE
Phase 22	01-117	Beaverhead	Argenta	NE Section 24	NE Section 24	T06S R11W S24 SE NE
Phase 22	01-189	Beaverhead	Argenta	NW Section 29	NW Section 29	T06S R10W S29 NE NW
Phase 22	01-099	Beaverhead	Argenta	Pilon Ranch	Pilon Ranch	T06S R11W S22 SW SE
Phase 22	01-126	Beaverhead	Argenta	Rosemont	Rosemont	T06S R10W S08 SW SE
Phase 22	01-175	Beaverhead	Argenta	SE Section 21	SE Section 21	T06S R11W S21 NW SE
Phase 22	01-128	Beaverhead	Argenta	SW Section 8	SW Section 8	T06S R10W S08 NW SW
Phase 22	01-107	Beaverhead	Argenta	Silver Rule	Silver Rule	T06S R11W S16 NE NE
Phase 22	01-130	Beaverhead	Argenta	Starlight	Starlight	T06S R11W S24 NE SE
Phase 22	01-105	Beaverhead	Argenta	Stinson	Stinson	T06S R11W S14 SW NW
Phase 22	01-131	Beaverhead	Argenta	Storm King	Storm King	T06S R11W S13 SW SE
Phase 22	01-122	Beaverhead	Argenta	White Lime	White Lime	T06S R10W S17 SE NE
Phase 22	01-091	Beaverhead	Baldy Mountain	Baldy #4/Hazel	Baldy #4/Hazel	T06S R12W S11 SW NE
Phase 22	01-088	Beaverhead	Baldy Mountain	Cable	Cable	T06S R12W S24 SW SW

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PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
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Phase 22	01-054	Beaverhead	Baldy Mountain	Dillon	Dillon	T06S R12W S23 SW NE
Phase 22	01-089	Beaverhead	Baldy Mountain	Driscoll Creek	Driscoll Creek	T06S R12W S09 SW SW
Phase 22	01-087	Beaverhead	Baldy Mountain	Durham Bull	Durham Bull	T06S R12W S23 NE SE
Phase 22	01-096	Beaverhead	Baldy Mountain	Grizzly Bear	Grizzly Bear	T06S R12W S22 NW NE
Phase 22	01-090	Beaverhead	Baldy Mountain	Steel Creek	Steel Creek	T06S R12W S08 NE NW
Phase 22	01-093	Beaverhead	Baldy Mountain	West Fork	West Fork	T06S R12W S14 SW SW
Phase 22	01-177	Beaverhead	Baldy Mountain	Wild Bat	Wild Bat	T06S R12W S14 NE SW
Phase 22	01-056	Beaverhead	Bannack	Bannack State Park	Bannack State Park	T08S R11W S06 S
Phase 22	01-068	Beaverhead	Bannack	Bon Accord	Bon Accord	T08S R11W S16 NE NW
Phase 22	01-058	Beaverhead	Bannack	Box X	Box X	T08S R11W S09 SE SW
Phase 22	01-062	Beaverhead	Bannack	Excelsior	Excelsior	T08S R11W S08 NE SW
Phase 22	01-063	Beaverhead	Bannack	French	French	T08S R11W S08 SW SW
Phase 22	01-066	Beaverhead	Bannack	Golden Leaf	Golden Leaf	T08S R11W S07 SE NE
Phase 22	01-061	Beaverhead	Bannack	Golden Ledge	Golden Ledge	T08S R11W S08 NW NE
Phase 22	01-057	Beaverhead	Bannack	Hendricks	Hendricks	T08S R11W S07 SW NE
Phase 22	01-059	Beaverhead	Bannack	SW Section 5	SW Section 5	T08S R11W S05 SW
Phase 22	01-064	Beaverhead	Bannack	Wadam	Wadam	T08S R11W S07 NE SE
Phase 22	01-065	Beaverhead	Bannack	Wallace	Wallace	T08S R11W S07 SE NE
Phase 22	01-174	Beaverhead	Birch Creek	Humbolt Mountain	Humbolt Mountain	T05S R10W S19 SW NE
Phase 22	01-188	Beaverhead	Blacktail	Ground Hog	Ground Hog	T08S R07W S30 SE SW
Phase 22	01-106	Beaverhead	Blacktail	NW Section 24	NW Section 24	T08S R08W S24 NW NW
Phase 22	01-135	Beaverhead	Blacktail	Nevada	Nevada	T09S R08W S21 SW NE
Phase 22	01-008	Beaverhead	Blacktail	Smith Dillon	Smith Dillon	T08S R08W S23 NW SE
Phase 22	01-075	Beaverhead	Blue Wing	Arctic	Arctic	T07S R11W S20 NE SE
Phase 22	01-038	Beaverhead	Blue Wing	Bob Ingersoll	Bob Ingersoll	T08S R11W S04 NW NE
Phase 22	01-071	Beaverhead	Blue Wing	Cottontail	Cottontail	T07S R11W S33 NE NE
Phase 22	01-074	Beaverhead	Blue Wing	Francis H.	Francis H.	T07S R11W S28 SW NW
Phase 22	01-040	Beaverhead	Blue Wing	Hangmans Gulch	Hangmans Gulch	T07S R11W S32 SW NE
Phase 22	01-085	Beaverhead	Blue Wing	Huron	Huron	T07S R11W S28 W SE
Phase 22	01-070	Beaverhead	Blue Wing	Iron Mask	Iron Mask	T07S R11W S27 SW SW
Phase 22	01-069	Beaverhead	Blue Wing	Kent	Kent	T07S R11W S33 NW NE
Phase 22	01-080	Beaverhead	Blue Wing	Log Cabin	Log Cabin	T07S R11W S33 SE SE
Phase 22	01-076	Beaverhead	Blue Wing	NW Section 28	NW Section 28	T07S R11W S28 NW NW
Phase 22	01-082	Beaverhead	Blue Wing	Nettie	Nettie	T07S R11W S33 SE NW
Phase 22	01-178	Beaverhead	Blue Wing	New Departure	New Departure	T07S R11W S26 NW
Phase 22	01-079	Beaverhead	Blue Wing	Old Charter Oak	Old Charter Oak	T08S R11W S04 SE NW
Phase 22	01-013	Beaverhead	Blue Wing	Silver Buckle	Silver Buckle	T07S R11W S28 NW NW
Phase 22	01-078	Beaverhead	Blue Wing	South Oak	South Oak	T08S R11W S04 NE SW
Phase 22	01-073	Beaverhead	Blue Wing	Wheal Rose	Wheal Rose	T07S R11W S27 NE SW
Phase 22	01-110	Beaverhead	Ermont	Badger	Badger	T06S R11W S26 SE SE
Phase 22	01-114	Beaverhead	Ermont	East Ermont	East Ermont	T06S R11W S35 SE NE
Phase 22	01-005	Beaverhead	Ermont	Ermont Mill	Ermont Mill	T06S R11W S35 NW SE
Phase 22	01-112	Beaverhead	Ermont	Ermont No. 19	Ermont No. 19	T06S R11W S35 N NE
Phase 22	01-111	Beaverhead	Ermont	Opy	Opy	T07S R11W S11 NE NW
Phase 22	01-194	Beaverhead	Ermont	South Ermont	South Ermont	T07S R11W S02 NW NW
Phase 22	01-136	Beaverhead	Medicine Lodge	Clark Canyon	Clark Canyon	T10S R11W S01 NE NW
Phase 22	01-134	Beaverhead	Polaris	Silver King	Silver King	T05S R12W S28 SW SE
Phase 22	29-091	Madison	Ruby Mountain	Stone Creek	Stone Creek	T07S R06W S21 NW SE

APPENDIX A

HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
-----	----	-----	-----	-----	-----	-----
** Phase 23						
Phase 23	20-065	Granite	Alps	Alps	Alps	T10N R16W S26 NE SW
Phase 23	20-092	Granite	Alps	Hidden Treasure	Hidden Treasure	T10N R16W S27 SW SE
Phase 23	20-079	Granite	Alps	NE Section 27	NE Section 27	T10N R16W S27 NE NE
Phase 23	20-067	Granite	Alps	NW Section 23	NW Section 23	T10N R16W S23 NW NW
Phase 23	20-082	Granite	Alps	SW Section 23	SW Section 23	T10N R16W S23 NW SW
Phase 23	20-130	Granite	Garnet	Austin	Austin	T12N R14W S02 SW NW
Phase 23	20-141	Granite	Garnet	Grant and Hartford	Grant and Hartford	T12N R14W S03 NE SE
Phase 23	20-099	Granite	Garnet	Herzer & Green	Herzer & Green	T12N R14W S11 NW NE
Phase 23	20-135	Granite	Garnet	Magone and Anderson	Magone and Anderson	T12N R14W S03 SE SE
Phase 23	20-037	Granite	Garnet	Mountain View	Mountain View	T12N R14W S02 NW SW
Phase 23	20-152	Granite	Garnet	Peggy Ann	Peggy Ann	T12N R14W S04 NE NE
Phase 23	20-038	Granite	Garnet	Shamrock	Shamrock	T12N R13W S03 SW NE
Phase 23	32-013	Missoula	Clinton	Cape Nome	Cape Nome	T12N R16W S18 SE SE
Phase 23	32-015	Missoula	Clinton	Cascade	Cascade	T12N R16W S19 SE NW
Phase 23	32-012	Missoula	Clinton	Hidden Treasure	Hidden Treasure	T12N R16W S19 NW SW
Phase 23	32-024	Missoula	Clinton	Martha	Martha	T12N R17W S24 NE NE
Phase 23	32-026	Missoula	Clinton	North Point	North Point	T12N R17W S24 SE NE
Phase 23	32-025	Missoula	Clinton	Triangle	Triangle	T12N R17W S13 SE SE
Phase 23	32-018	Missoula	Cramer Creek	Chloride	Chloride	T12N R15W S17 SW SE
Phase 23	32-017	Missoula	Cramer Creek	Linton	Linton	T12N R15W S30 NW SW
Phase 23	32-002	Missoula	Cramer Creek	West Fk Cramer Crk	West Fk Cramer Crk	T12N R16W S27 NE SW
Phase 23	32-021	Missoula	Potomac	Charcoal	Charcoal	T12N R16W S10 NW NE
Phase 23	39-029	Powell	Garnet	Mountain	Mountain	T12N R13W S08 NW NW
** Phase 24						
Phase 24	01-137	Beaverhead	Apex	Sodak	Sodak	T05S R08W S16 SW NE
Phase 24	01-190	Beaverhead	Lost Creek	Lost Fraction	Lost Fraction	T04S R10W S23 NW NE
Phase 24	01-182	Beaverhead	Lost Creek	Sugar Loaf	Sugar Loaf	T04S R10W S14 NW SE
Phase 24	29-087	Madison	McCartney	Glen	Glen	T04S R08W S18 SE NW
			Mountain			
Phase 24	29-089	Madison	McCartney	Golden Fleece	Golden Fleece	T04S R08W S09 NE NW
			Mountain			
Phase 24	29-026	Madison	McCartney	Mueller/Bessie	Mueller/Bessie	T04S R08W S04 SW NE
			Mountain			
Phase 24	29-051	Madison	Rochester	Agnes	Agnes	T02S R07W S31 NE SW
Phase 24	29-193	Madison	Rochester	Anything	Anything	T02S R07W S33 SW SW
Phase 24	29-055	Madison	Rochester	C.C. #2	C.C. #2	T02S R07W S31 NW SW
Phase 24	29-060	Madison	Rochester	Elgin	Elgin	T02S R07W S32 NE NW
Phase 24	29-061	Madison	Rochester	Emma	Emma	T03S R07W S06 SE SW
Phase 24	29-208	Madison	Rochester	Hermit	Hermit	T02S R07W S32 NW SE
Phase 24	29-207	Madison	Rochester	Idler	Idler	T03S R07W S04 SW NW
Phase 24	29-196	Madison	Rochester	Lizzie Ann	Lizzie Ann	T02S R07W S31 NE NE
Phase 24	29-192	Madison	Rochester	Monitor	Monitor	T02S R07W S33 SW NE
Phase 24	29-190	Madison	Rochester	NE Section 32	NE Section 32	T02S R07W S32 NE NE
Phase 24	29-188	Madison	Rochester	NE Section 4	NE Section 4	T03S R07W S04 NW NE
Phase 24	29-159	Madison	Rochester	NW Section 26	NW Section 26	T03S R07W S26 SW NW
Phase 24	29-160	Madison	Rochester	NW Section 33	NW Section 33	T03S R07W S33 SE NW
Phase 24	29-158	Madison	Rochester	Never Fail	Never Fail	T03S R07W S33 SW SW
Phase 24	29-189	Madison	Rochester	SW Section 3	SW Section 3	T03S R07W S03 NW SW

APPENDIX A

HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PROJECT LOCATIONS

PROJECT	PA #	COUNTY	DISTRICT	DATA BASE NAME	BID PACKAGE NAME	LEGAL DESCRIPTION
-----	----	-----	-----	-----	-----	-----
Phase 24	29-191	Madison	Rochester	SW Section 9	SW Section 9	T03S R07W S09 NE SW
Phase 24	29-075	Madison	Rochester	Watseca	Watseca	T02S R07W S32 SW NW
Phase 24	29-195	Madison	Rochester	Yellow Metal	Yellow Metal	T02S R07W S29 SW SW
Phase 24	29-173	Madison	Silver Star	Agalia	Agalia	T02S R06W S15 SW SW
Phase 24	29-183	Madison	Silver Star	Aurora Boraellis	Aurora Boraellis	T02S R06W S10 SW NW
Phase 24	29-145	Madison	Silver Star	Aurora/Galena	Aurora/Galena	T02S R06W S03 SW SW
Phase 24	29-180	Madison	Silver Star	Baccharat	Baccharat	T02S R06W S15 N SW
Phase 24	29-179	Madison	Silver Star	Broadway/Victoria	Broadway/Victoria	T02S R06W S02 NW NW
Phase 24	29-177	Madison	Silver Star	Bull Dog	Bull Dog	T02S R06W S22 NW NW
Phase 24	29-154	Madison	Silver Star	Chromite	Chromite	T02S R06W S10 SE NW
Phase 24	29-152	Madison	Silver Star	Clancy	Clancy	T01S R06W S33 NE NE
Phase 24	29-143	Madison	Silver Star	Clifford	Clifford	T02S R06W S16 NE NE
Phase 24	29-200	Madison	Silver Star	Clipper	Clipper	T02S R06W S15 SE SW
Phase 24	29-147	Madison	Silver Star	Cricket	Cricket	T02S R06W S10 SE SW
Phase 24	29-181	Madison	Silver Star	Glenns Falls	Glenns Falls	T02S R06W S15 NW SE
Phase 24	29-090	Madison	Silver Star	Golden Rod	Golden Rod	T02S R06W S22 NE NE
Phase 24	29-009	Madison	Silver Star	Green-Campbell	Green-Campbell	T02S R06W S03 NE NW
Phase 24	29-211	Madison	Silver Star	Hudson	Hudson	T02S R06W S02 SE NW
Phase 24	29-174	Madison	Silver Star	Iron Rod	Iron Rod	T02S R06W S22 NE NW
Phase 24	29-175	Madison	Silver Star	Iron Rod Extention	Iron Rod Extention	T02S R06W S15 SE SW
Phase 24	29-176	Madison	Silver Star	Keystone	Keystone	T02S R06W S03 NE NE
Phase 24	29-182	Madison	Silver Star	Locust	Locust	T02S R06W S15 NW SW
Phase 24	29-186	Madison	Silver Star	Moonlight	Moonlight	T02S R06W S15 NE NW
Phase 24	29-213	Madison	Silver Star	Morning	Morning	T01S R06W S34 SE SE
Phase 24	29-178	Madison	Silver Star	Sample Orr	Sample Orr	T02S R06W S03 NE NE
Phase 24	29-148	Madison	Silver Star	Shamrock/Quincy	Shamrock/Quincy	T01S R06W S33 SE NE
Phase 24	29-151	Madison	Silver Star	Star	Star	T02S R06W S10 NE NE
Phase 24	29-144	Madison	Silver Star	Stella/Golden Spike	Stella/Golden Spike	T02S R06W S09 NE SE

APPENDIX B

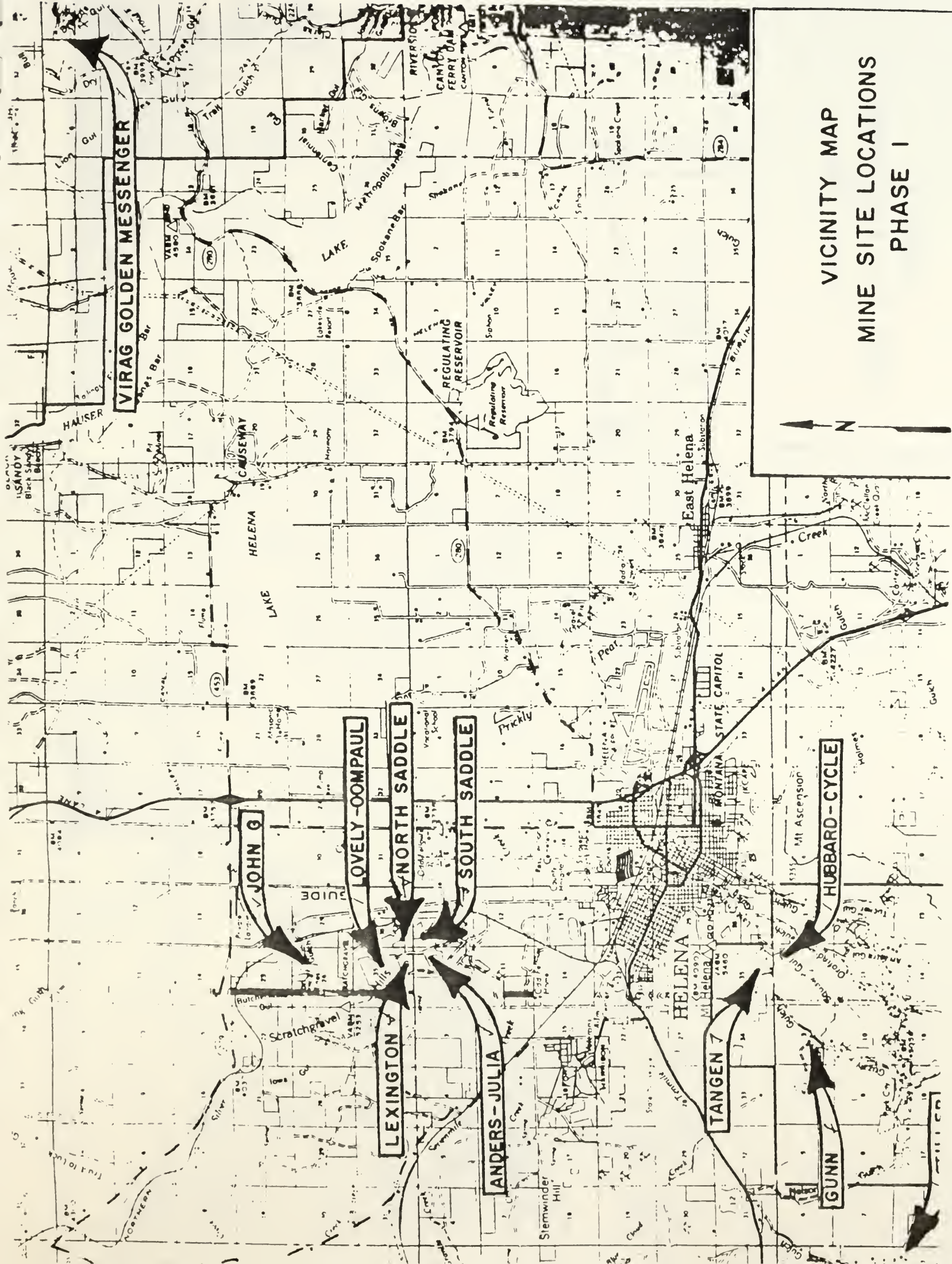
APPENDIX C

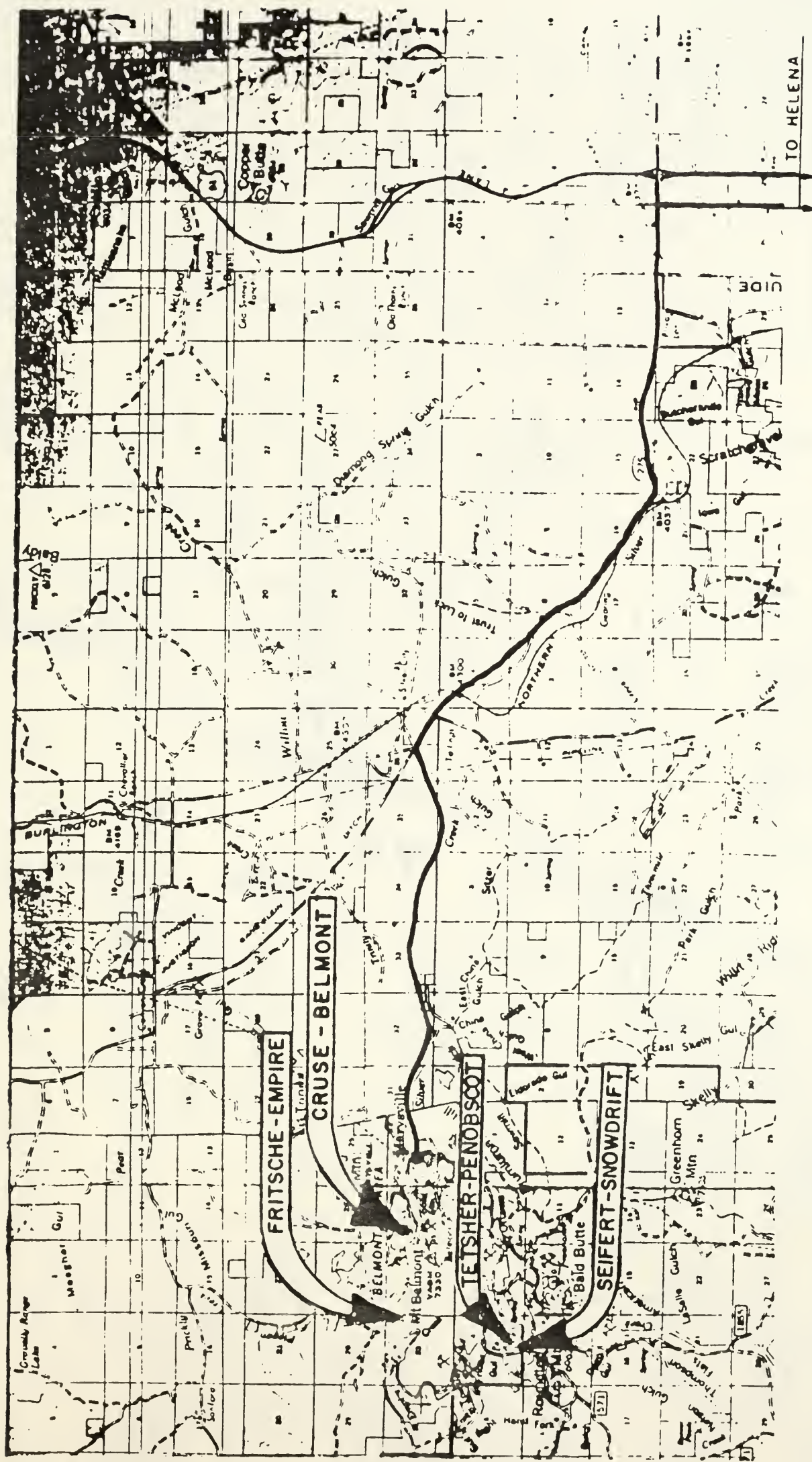
APPENDIX D

APPENDIX B

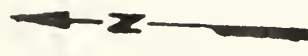
CONSTRUCTION PROJECT VICINITY MAPS

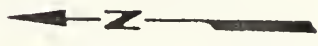
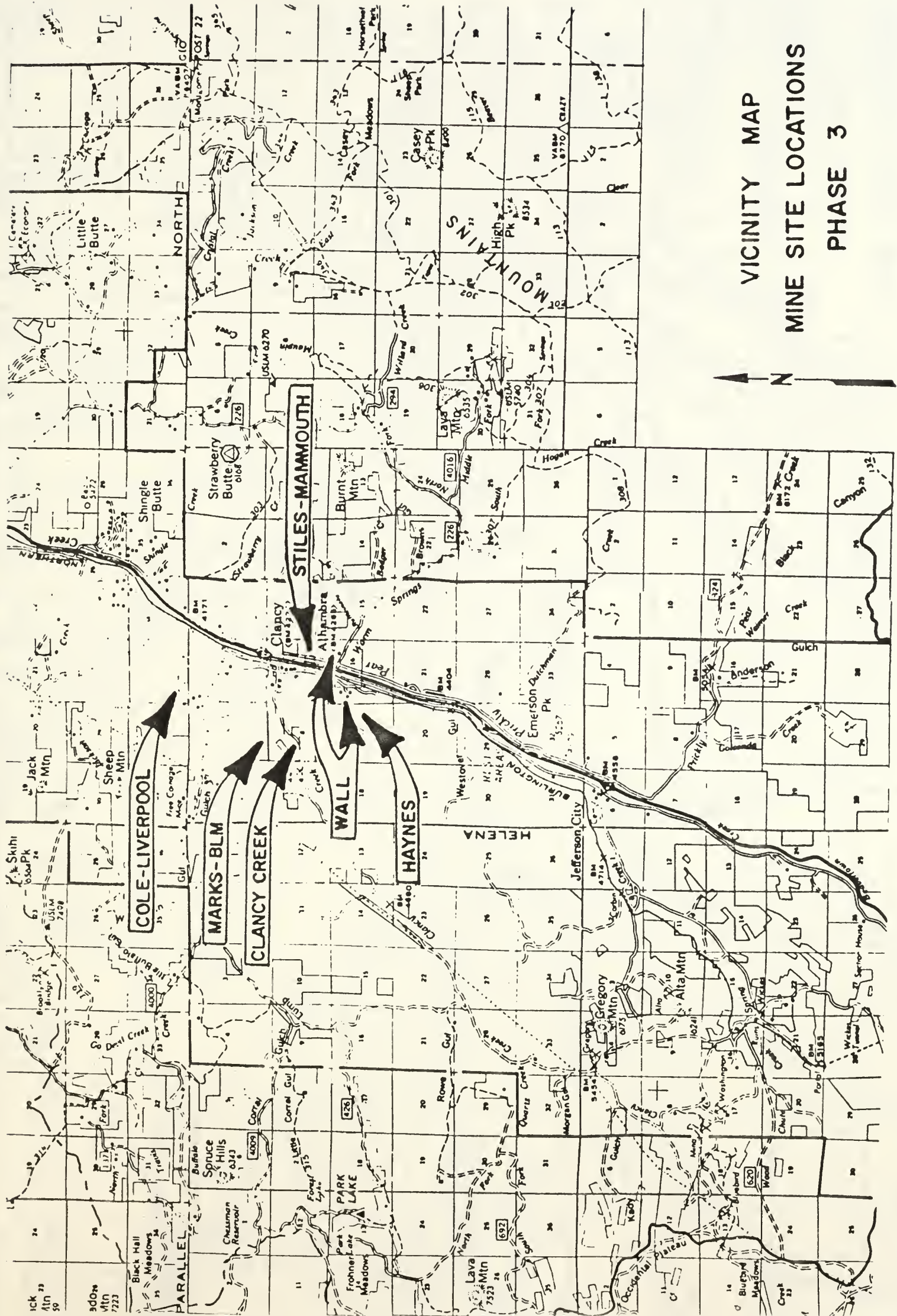
VICINITY MAP
MINE SITE LOCATIONS
PHASE I



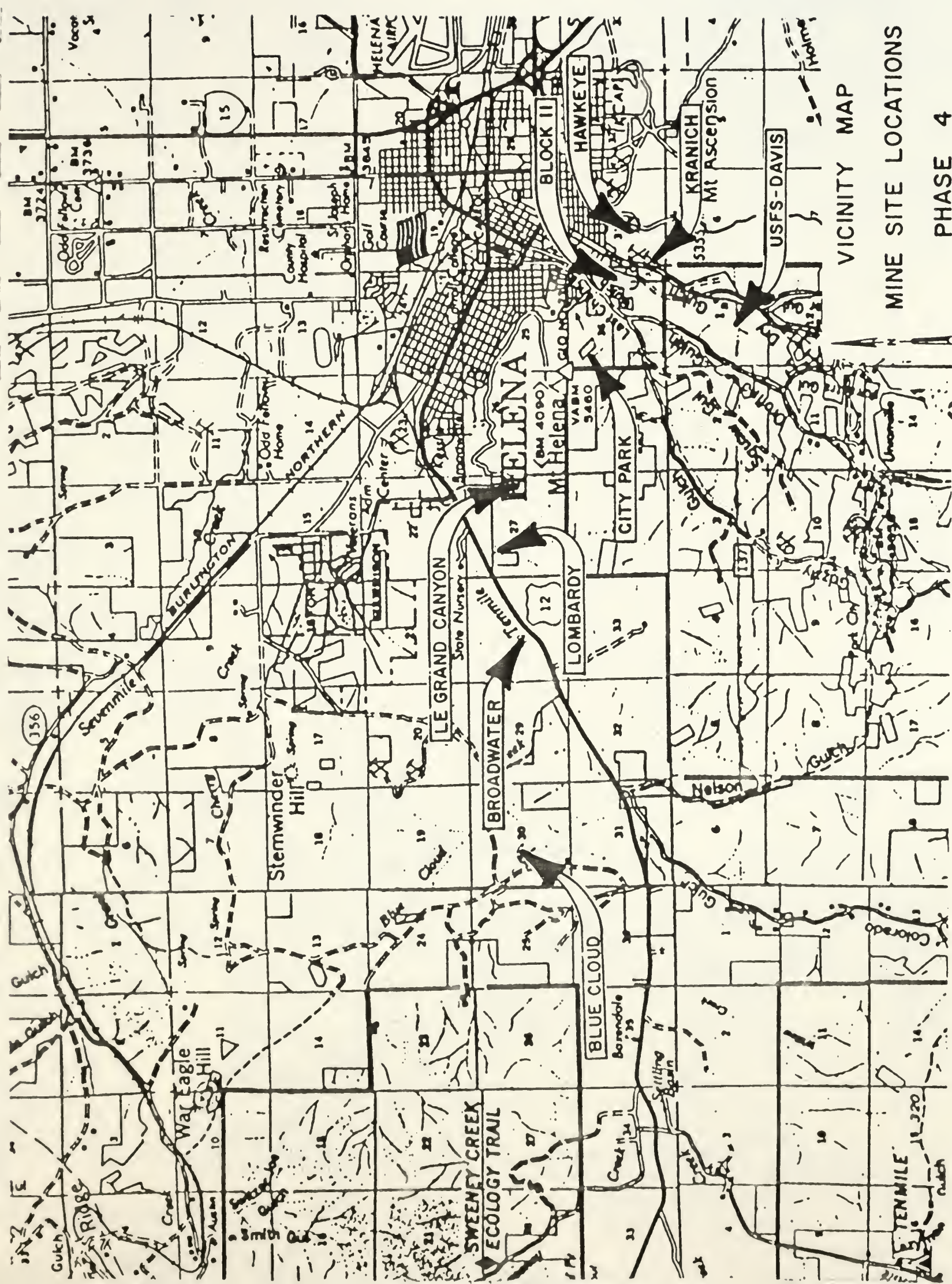


VICINITY MAP
MINE SITE LOCATIONS
PHASE 2





VICINITY MAP
MINE SITE LOCATIONS
PHASE 3

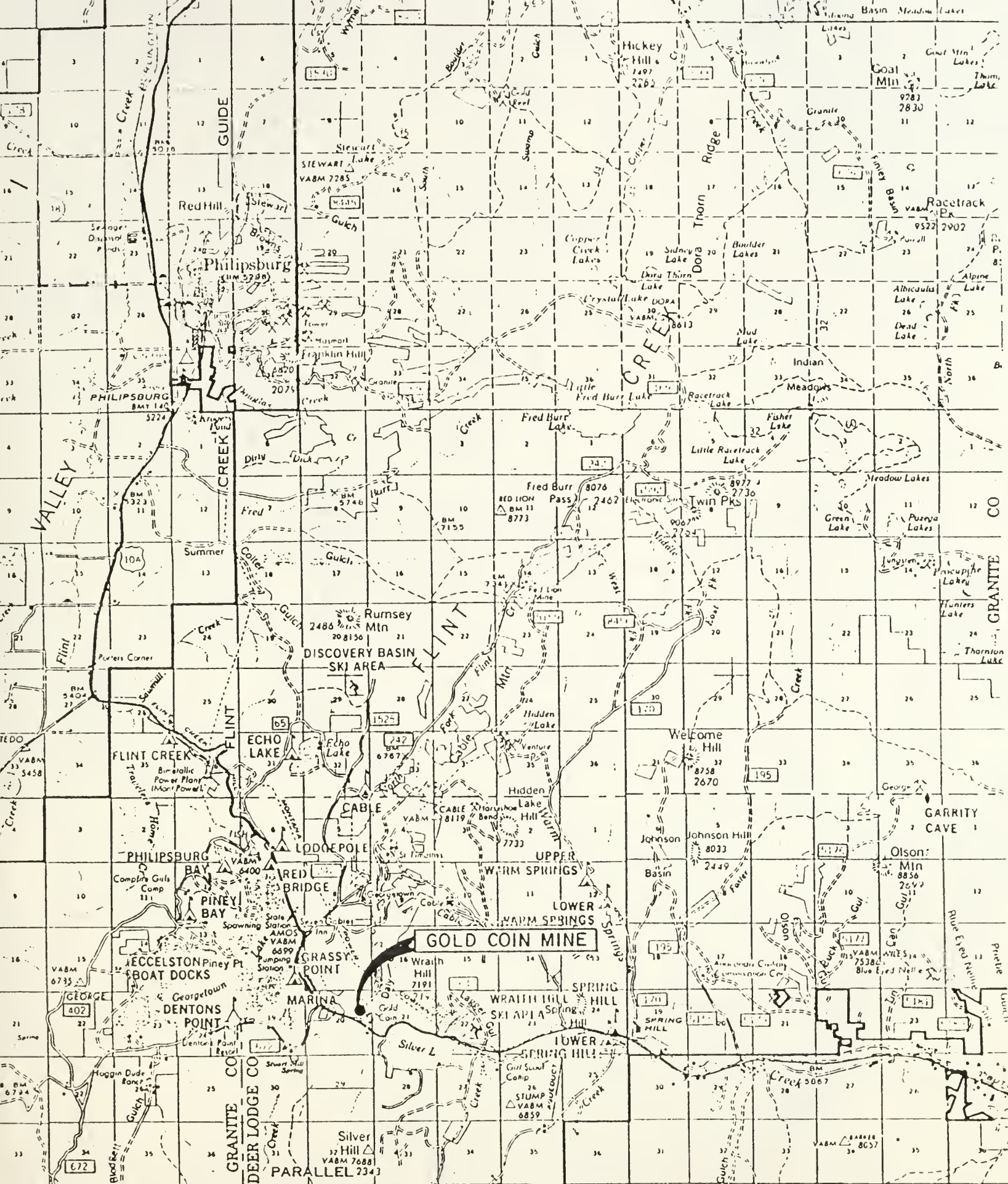


VICINITY MAP

MINE SITE LOCATIONS

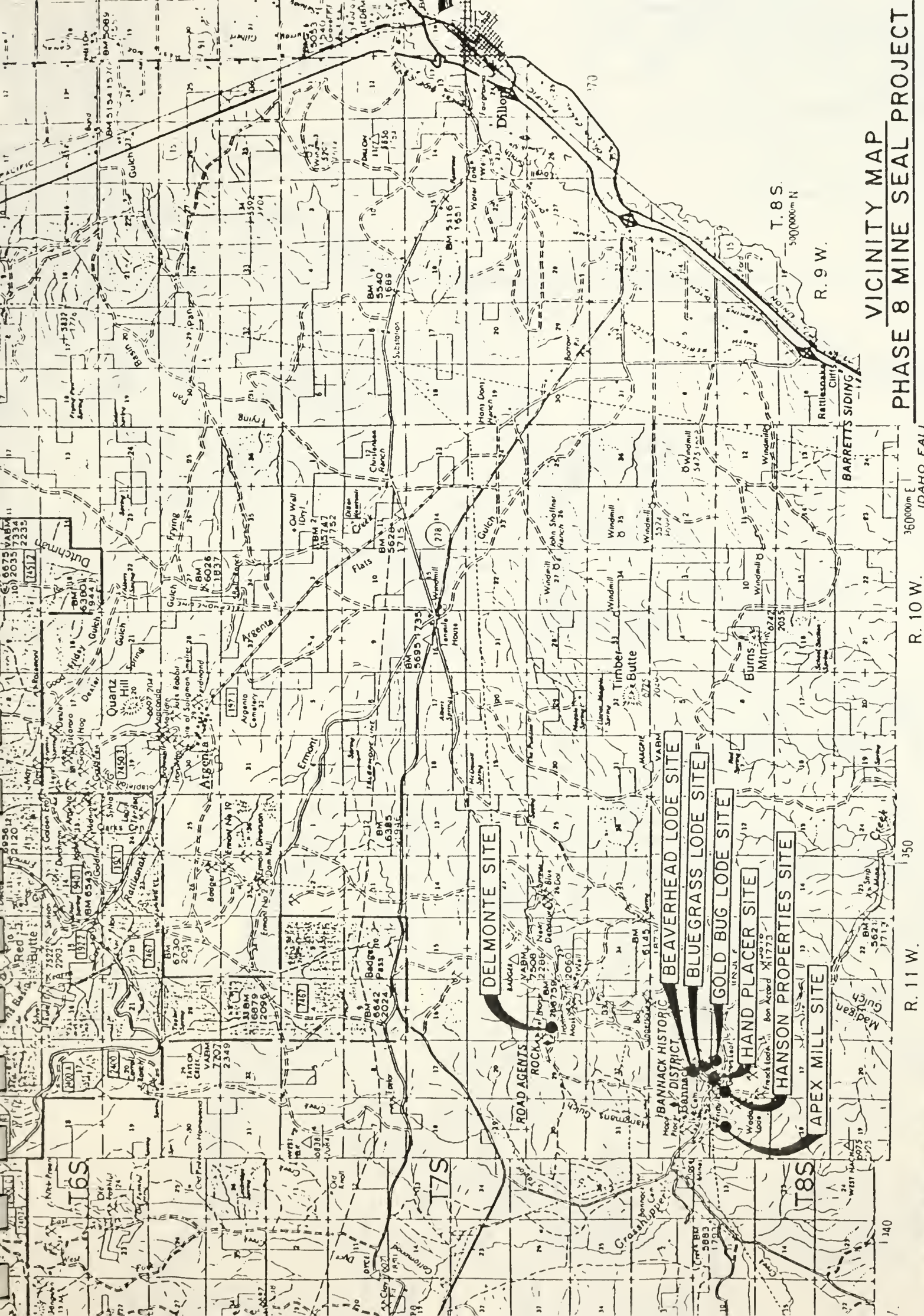
PHASE 4

10 TENMILE 11320



VICINITY MAP PHASE 5 PORTAL PROJECT

GOLD COIN MINE
DEER LODGE COUNTY



VICINITY MAP
PHASE 8 MINE SEAL PROJECT
BANNACK MINING DISTRICT
BEAVERHEAD COUNTY

360000m E
IDAHO FALL

R. 10 W.

R. 11 W.

R. 12 W.

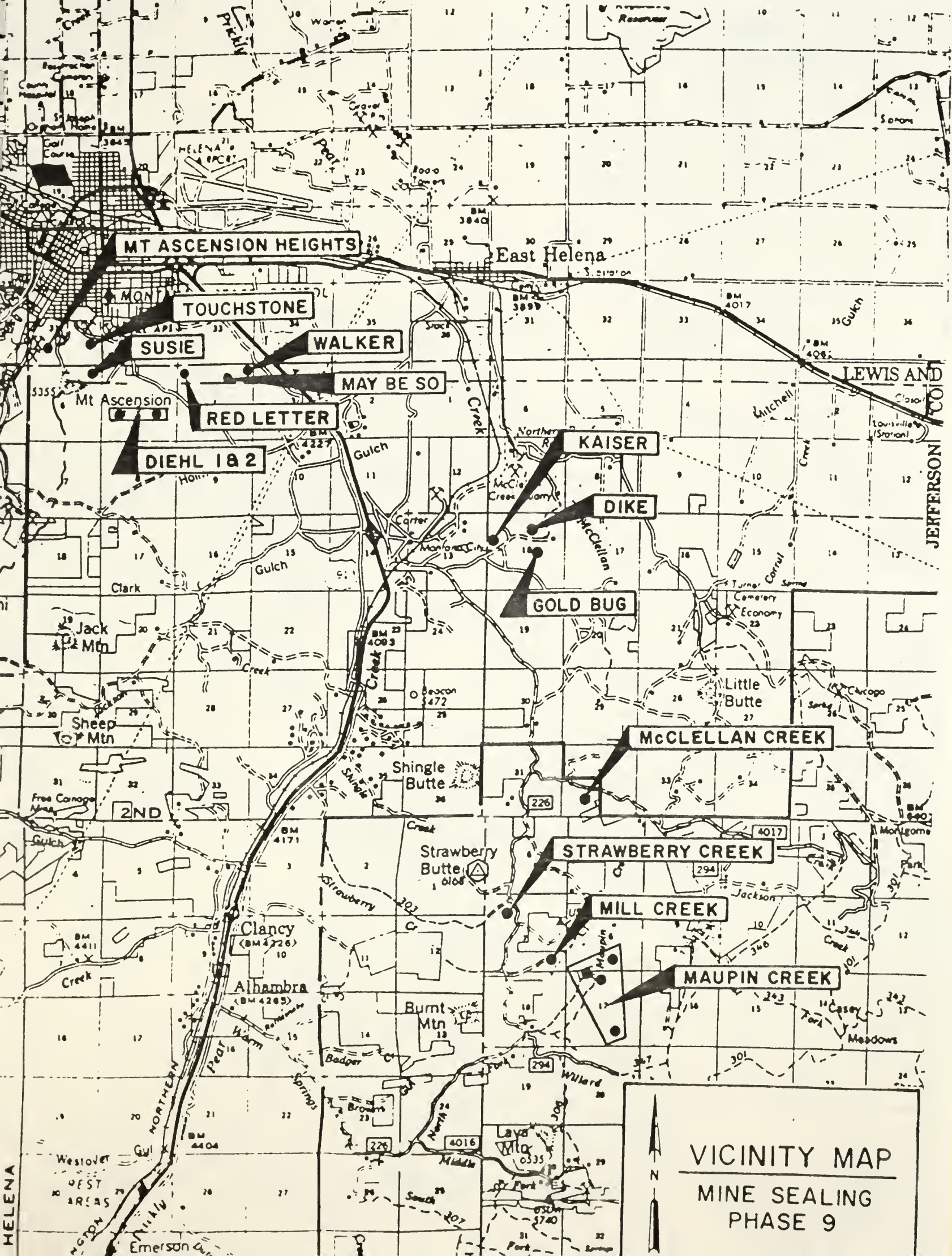
T. 8 S.

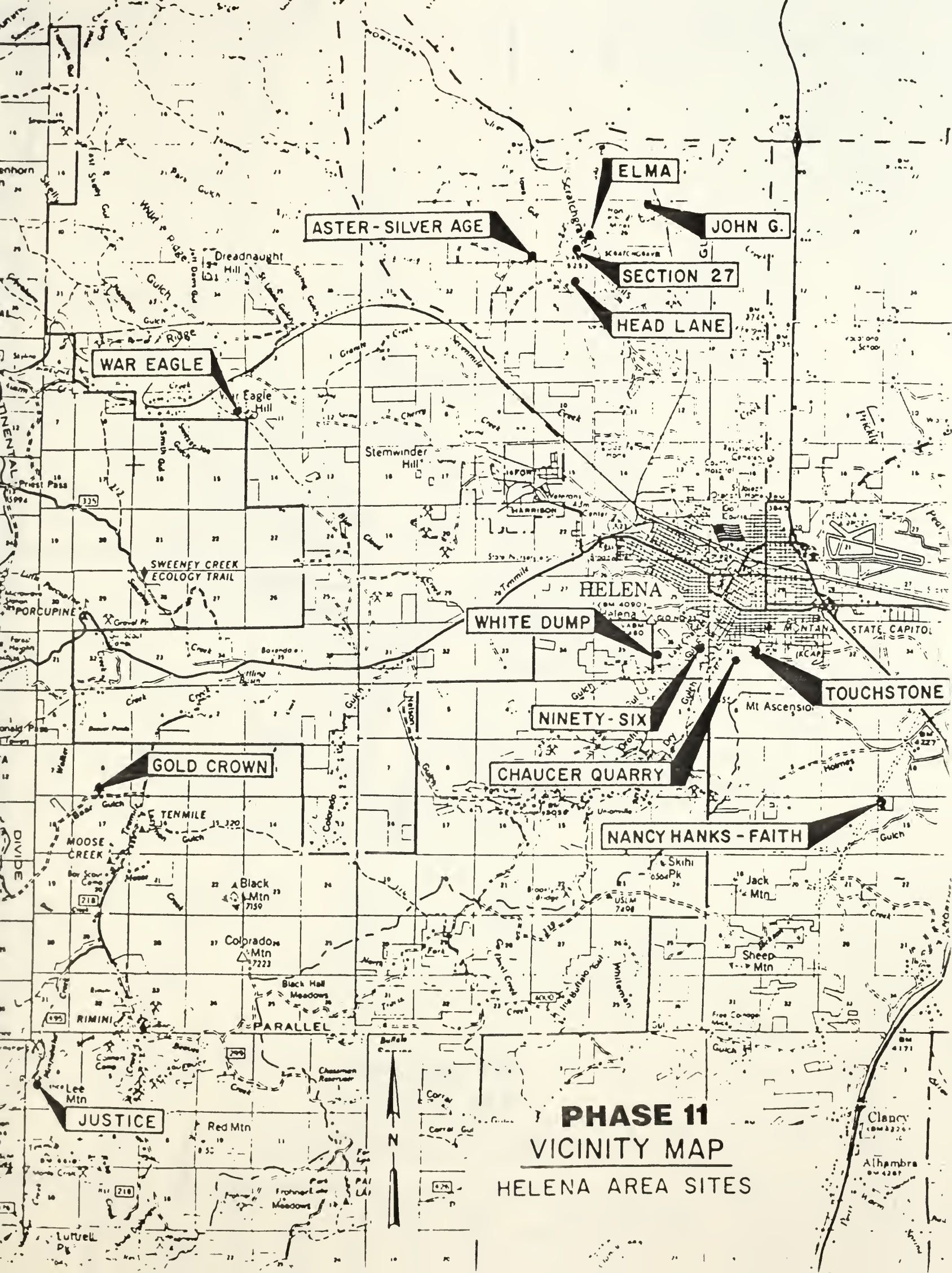
500000m N

R. 9 W.

T. 7 S.

360000m E





ASTER-SILVER AGE

ELMA

JOHN G.

SECTION 27

HEAD LANE

WAR EAGLE

SWEENEY CREEK
ECOLOGY TRAIL

HELENA

WHITE DUMP

TOUCHSTONE

NINETY-SIX

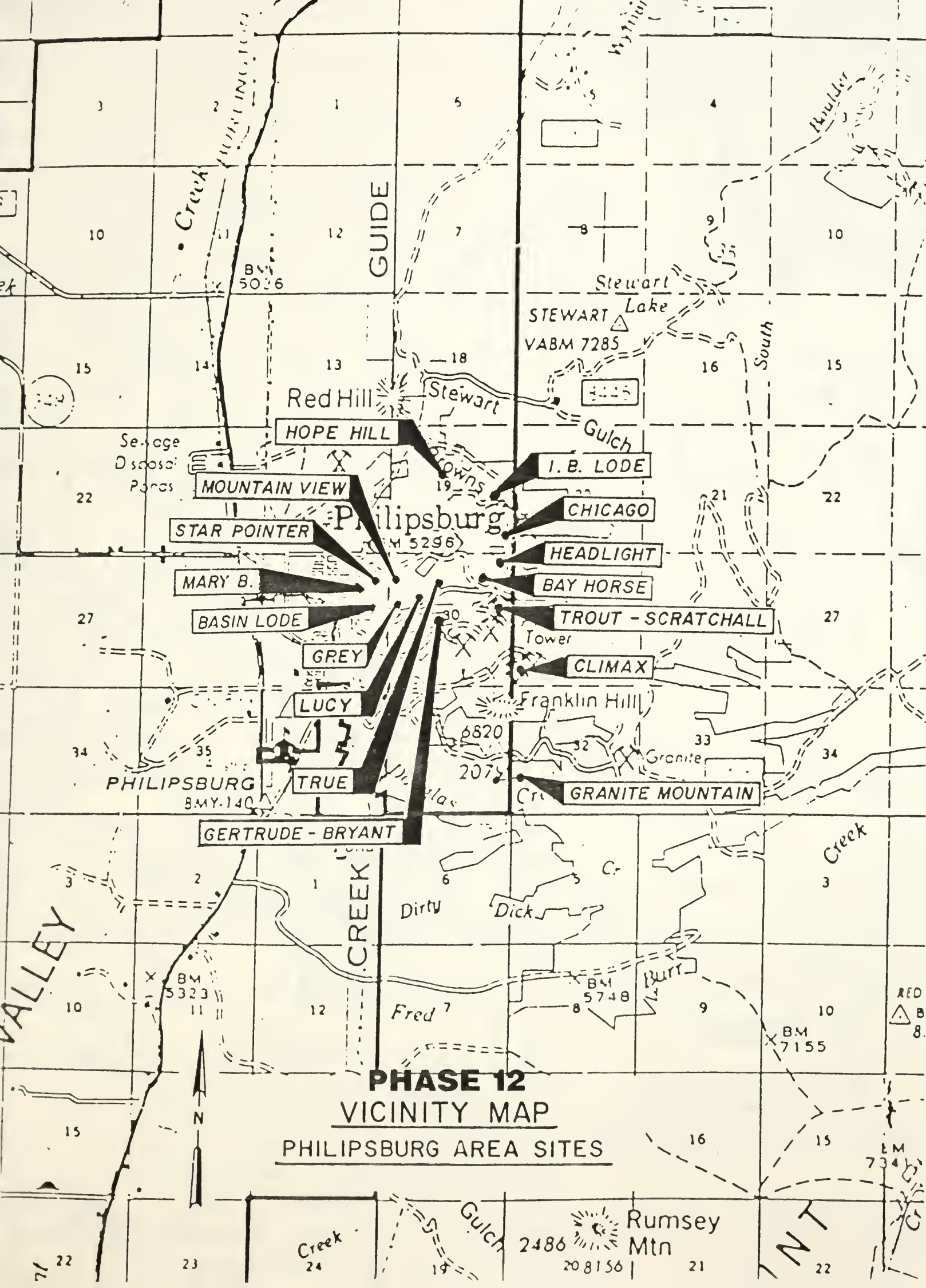
CHAUCER QUARRY

GOLD CROWN

NANCY HANKS - FAITH

JUSTICE

PHASE 11
VICINITY MAP
HELENA AREA SITES



GUIDE

BM 5026

STEWART
VABM 7285

Stewart Lake

South

Red Hill

Stewart

HOPE HILL

I. B. LODGE

Sewage
Disposal
Ponds

MOUNTAIN VIEW

CHICAGO

STAR POINTER

Philipsburg
M 5296

HEADLIGHT

MARY B.

BAY HORSE

BASIN LODGE

TROUT - SCRATCHALL

GREY

CLIMAX

LUCY

Franklin Hill

PHILIPSBURG
B.M.Y. 140

TRUE

6820

2075

GRANITE MOUNTAIN

GERTRUDE - BRYANT

CREEK

Dirty

Dick

Creek

BM 5323

BM 5748

BM 7155

Fred 7

PHASE 12

VICINITY MAP

PHILIPSBURG AREA SITES

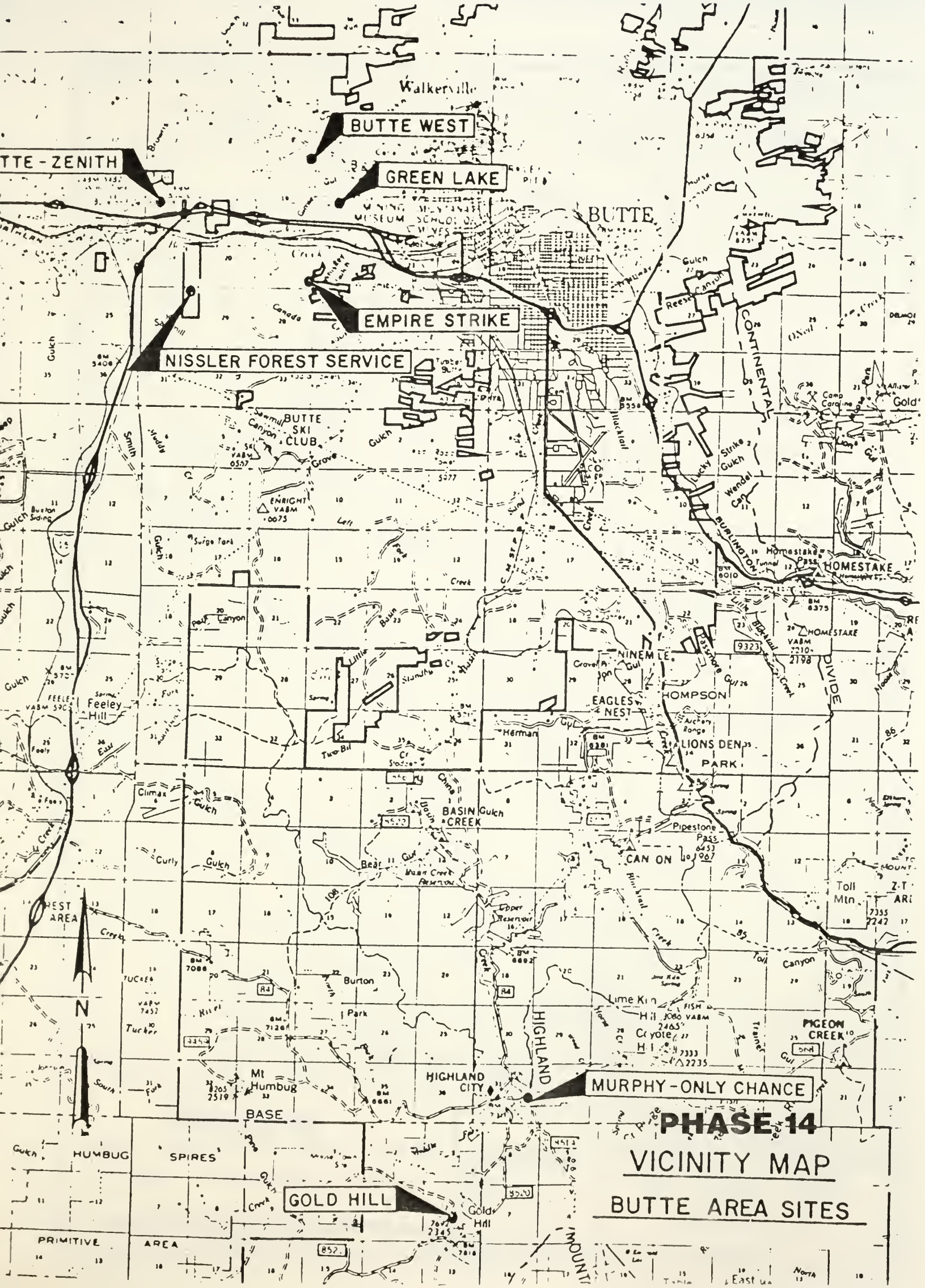
Rumsey
Mtn

2486

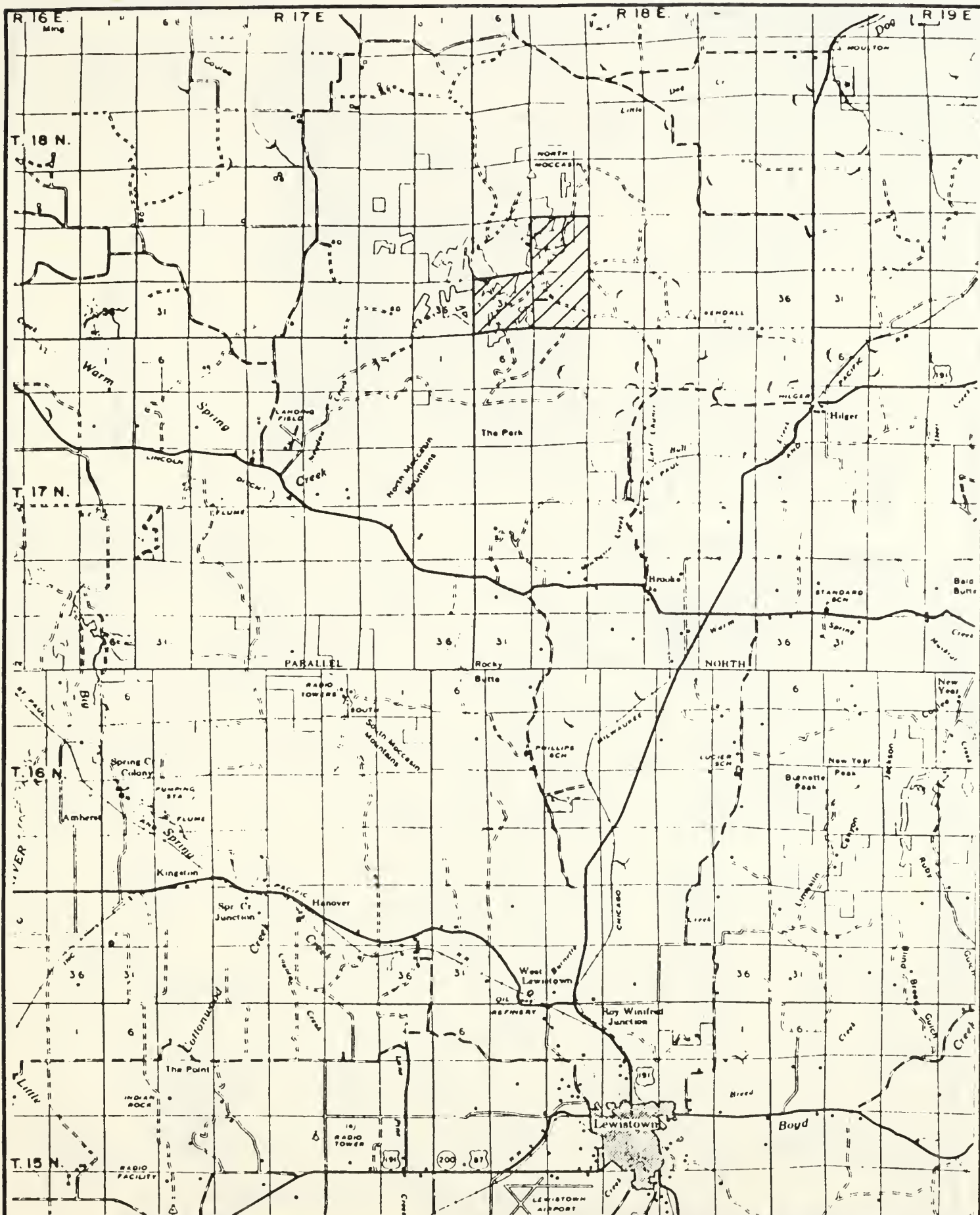
208156

RED
B
8

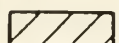
BM 7346



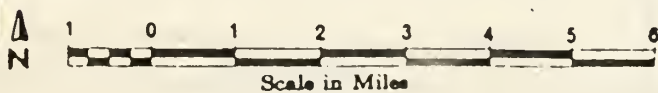
PHASE 14
VICINITY MAP
BUTTE AREA SITES



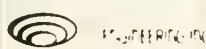
PHASE 15

 SECTIONS 29, 31, 32, T.18N., R.10E.

MAP BASE: BLM PUBLIC LANDS - JUDITH 15



IntraSearch



BILLINGS MONTANA

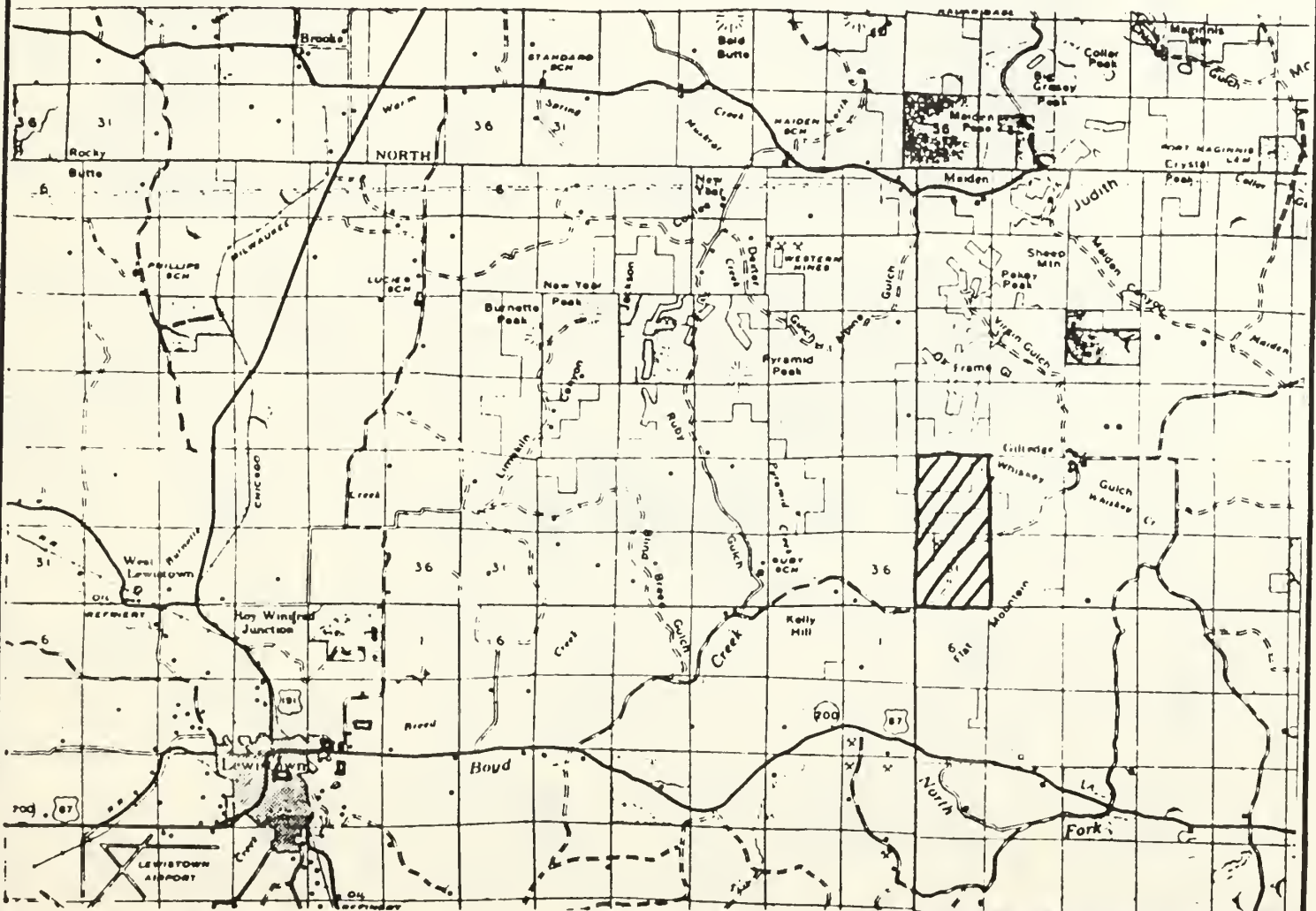
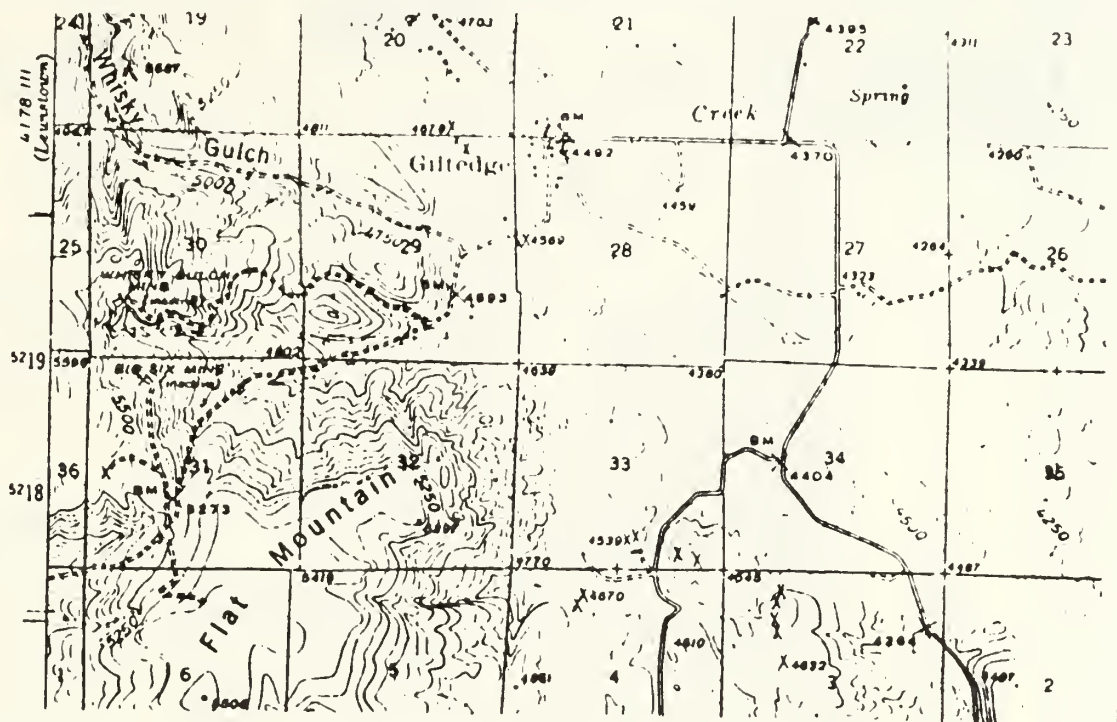
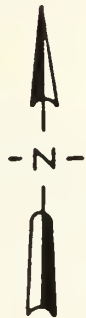
MARCH 1984

STATE OF MONTANA
DEPARTMENT OF STATE LANDS

MAP SHOWING ACCESS
TO
KENDALL AREA

Figure 1

JUDITH PEAK
USGS 15' QUAD
Scale 1" = 1 mile

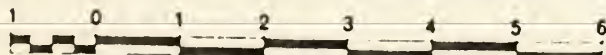


PHASE 16



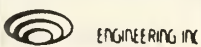
Sections 30, 31, T. 16 N., R. 20 E

Map Base : BLM PUBLIC LANDS - JUDITH 15



Scale in Miles

IntraSearch



ENGINEERING INC

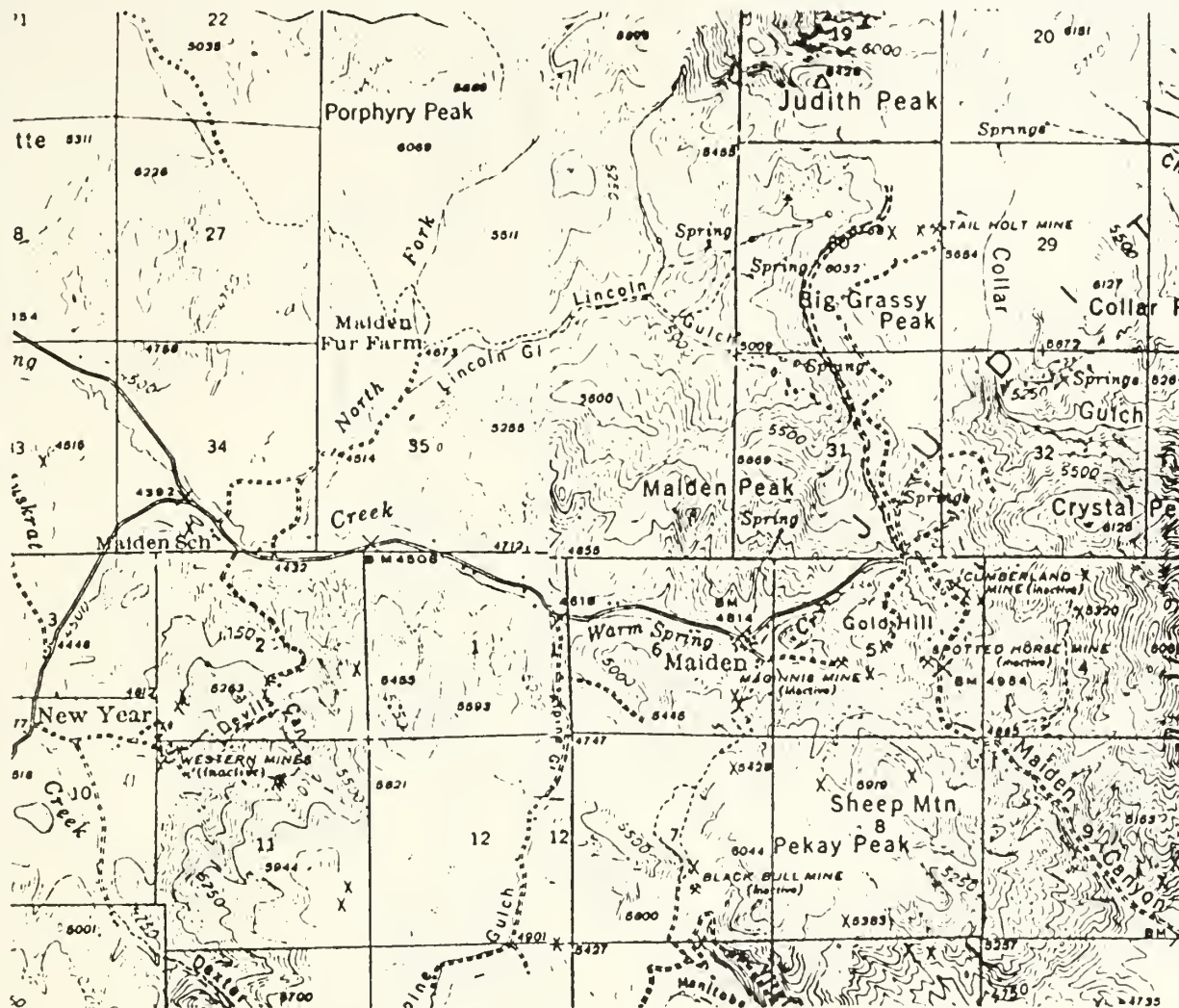
BILLINGS MONTANA

March 1984

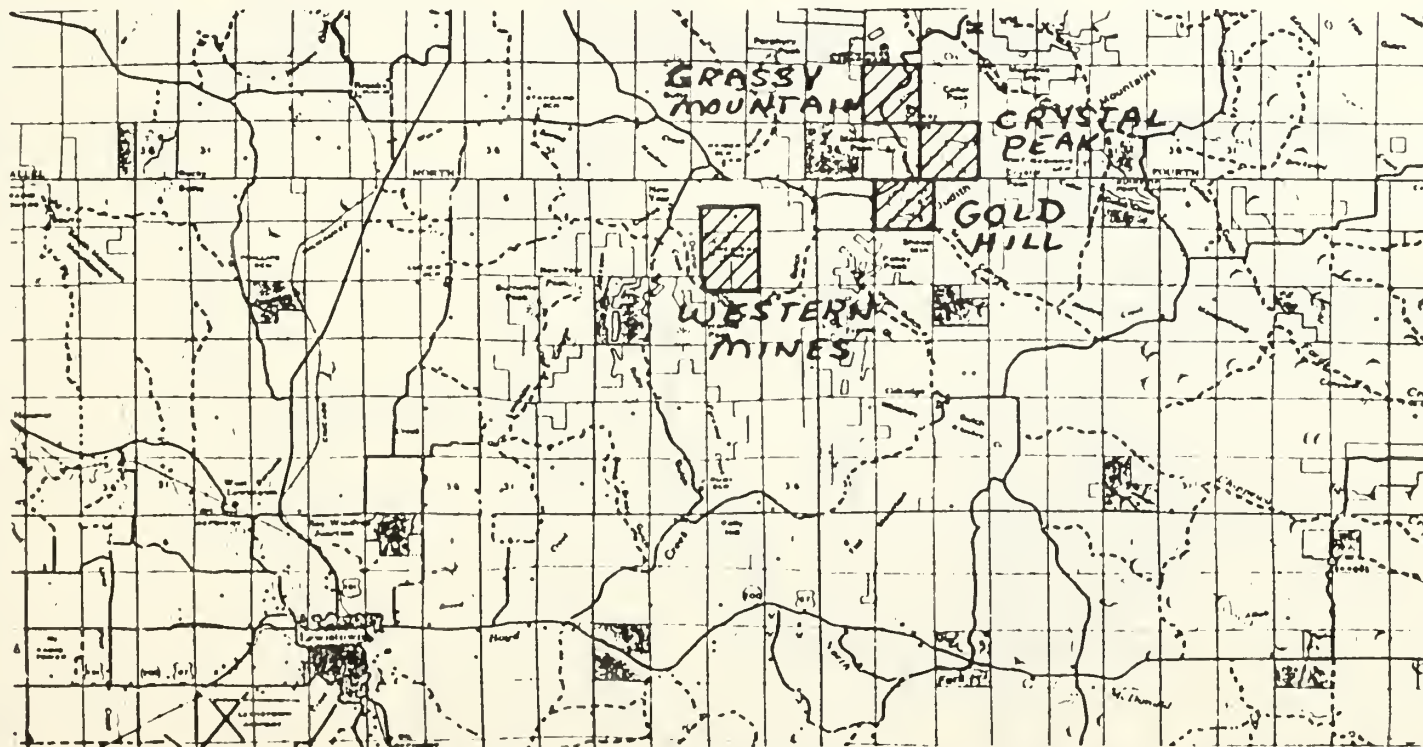
STATE OF MONTANA
DEPARTMENT OF STATE LANDS

MAP SHOWING ACCESS
TO
WHISKEY GULCH AREA

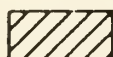
Figure 1



JUDITH PEAK
USGS 15' QUAD
Scale: 1" = 1 mile

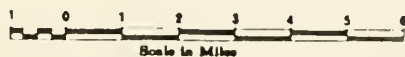


PHASE 17

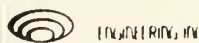


MAIDEN CANYON AREA

Map Base: BLM PUBLIC LANDS - JUDITH 15



IntraSearch



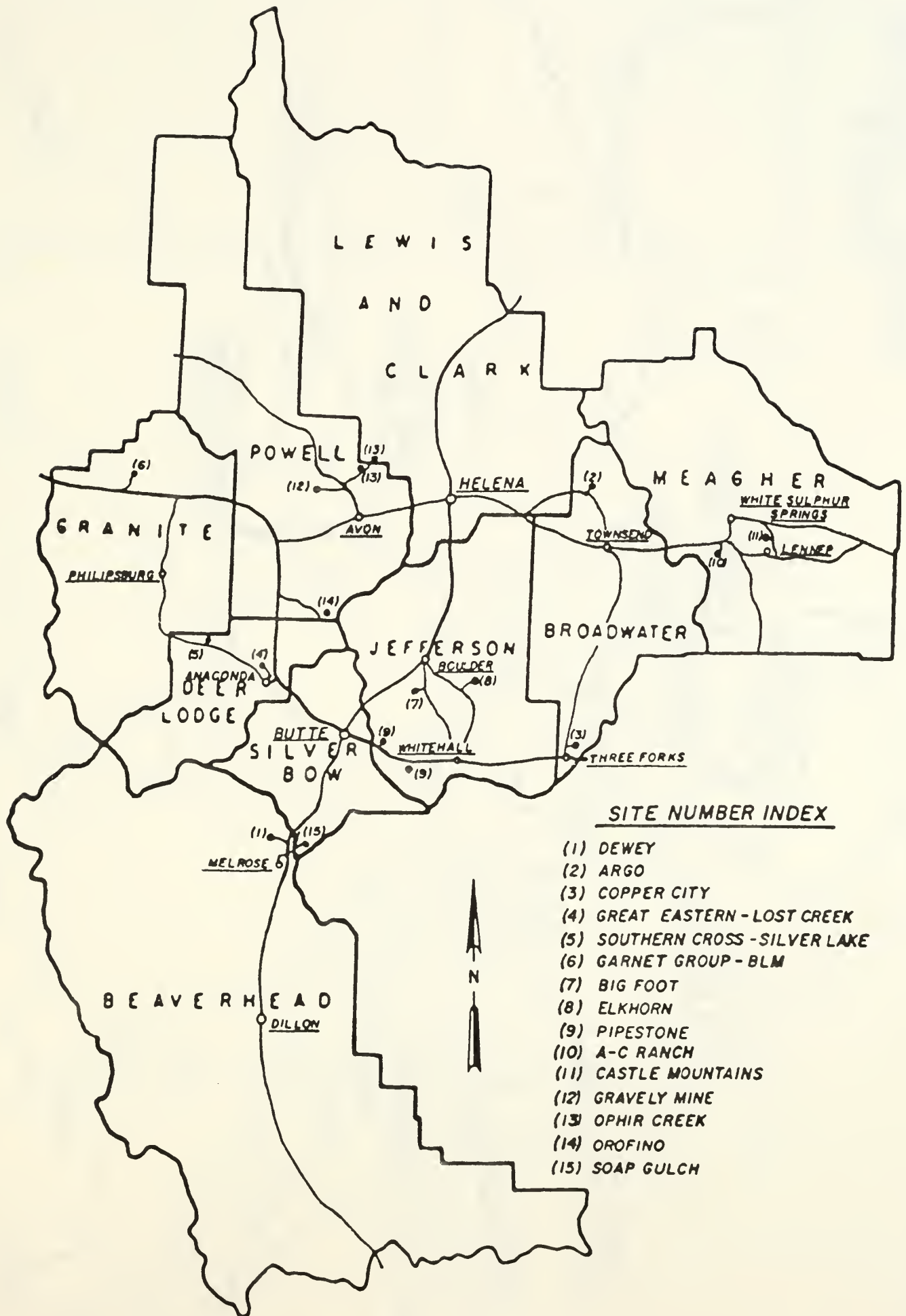
BILLINGS MONTANA

March 1984

STATE OF MONTANA
DEPARTMENT OF STATE LANDS

MAP SHOWING ACCESS
TO
MAIDEN CANYON AREA

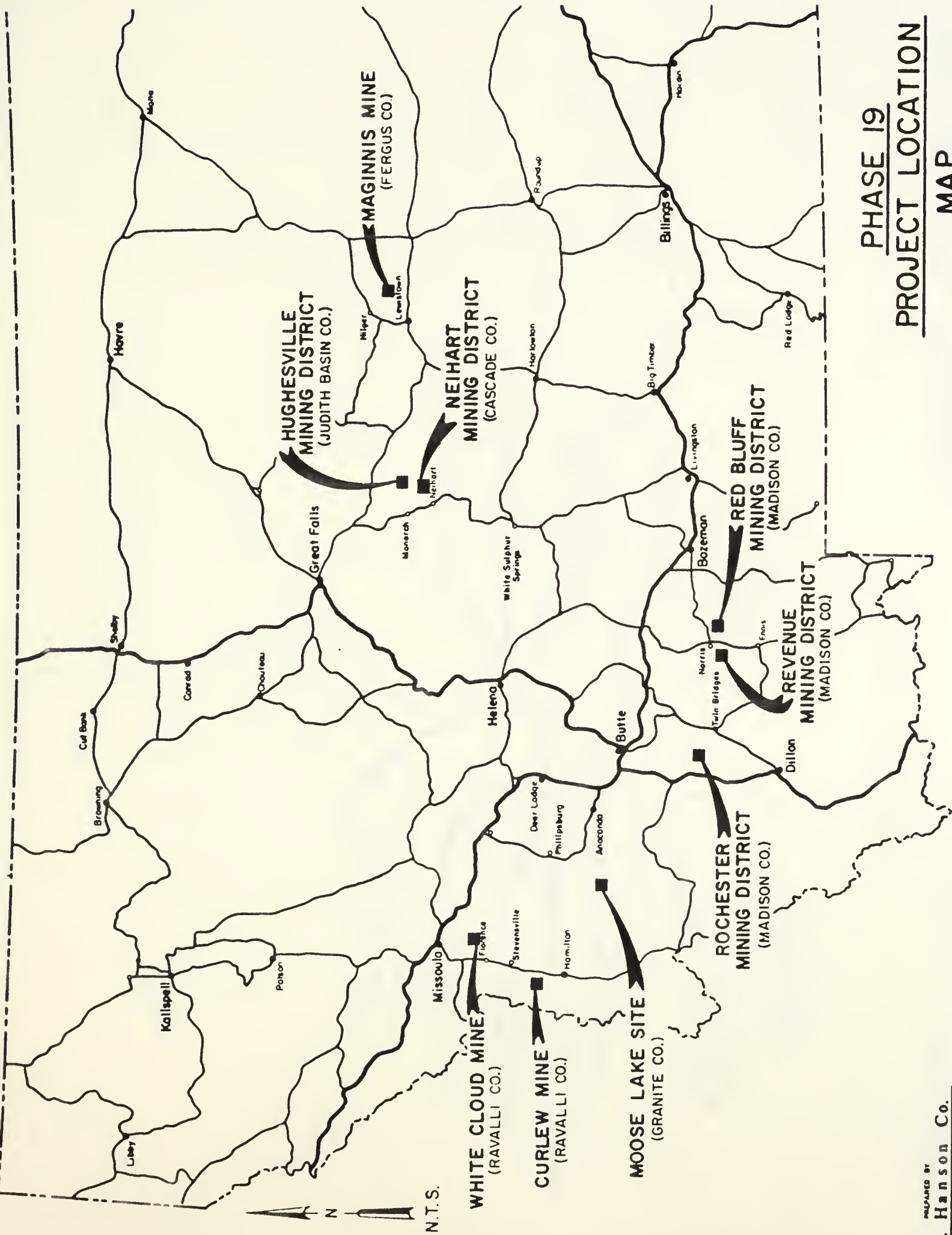
Figure 1



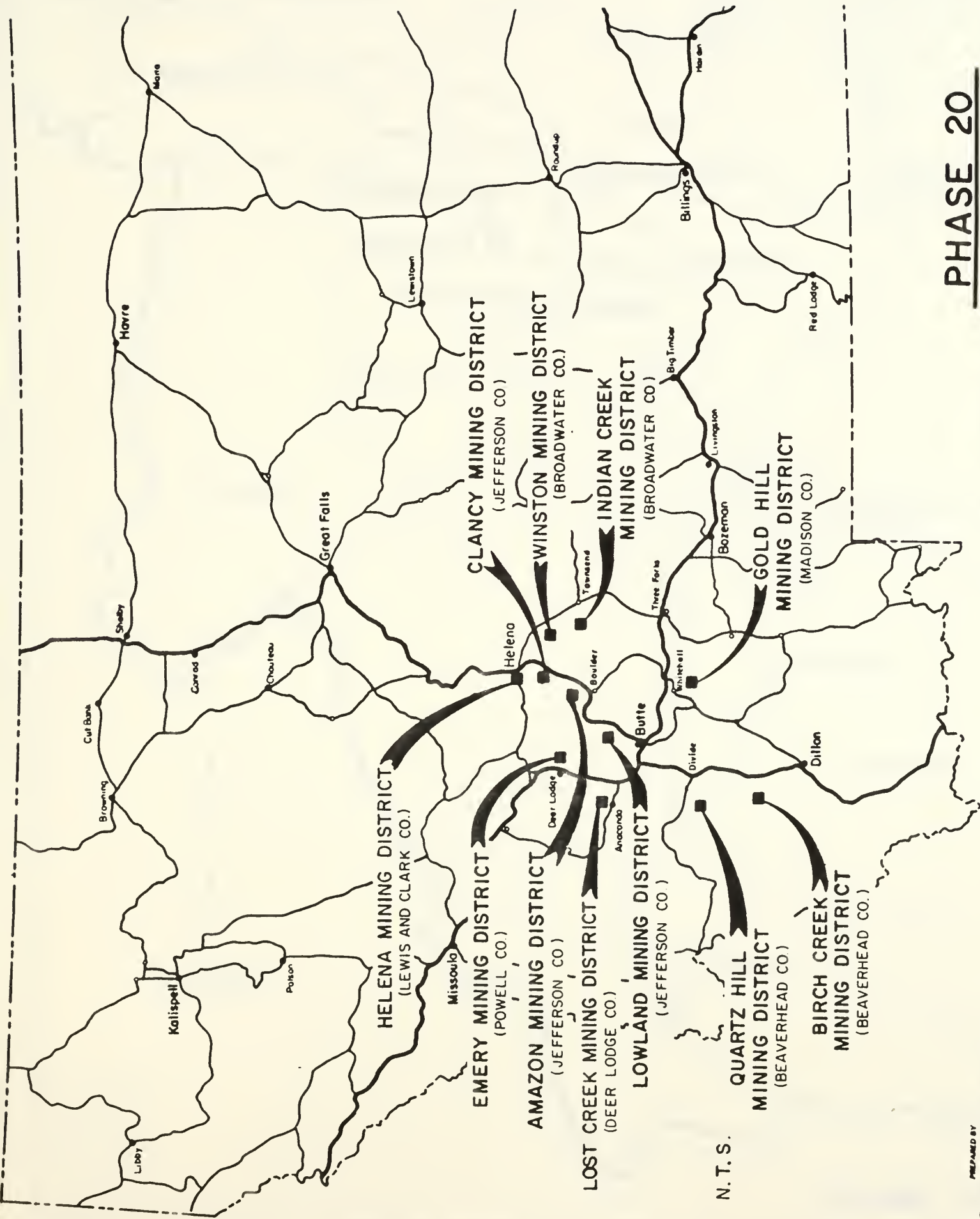
SITE NUMBER INDEX

- (1) DEWEY
- (2) ARGO
- (3) COPPER CITY
- (4) GREAT EASTERN - LOST CREEK
- (5) SOUTHERN CROSS - SILVER LAKE
- (6) GARNET GROUP - BLM
- (7) BIG FOOT
- (8) ELKHORN
- (9) PIPESTONE
- (10) A-C RANCH
- (11) CASTLE MOUNTAINS
- (12) GRAVELY MINE
- (13) OPHIR CREEK
- (14) OROFINO
- (15) SOAP GULCH

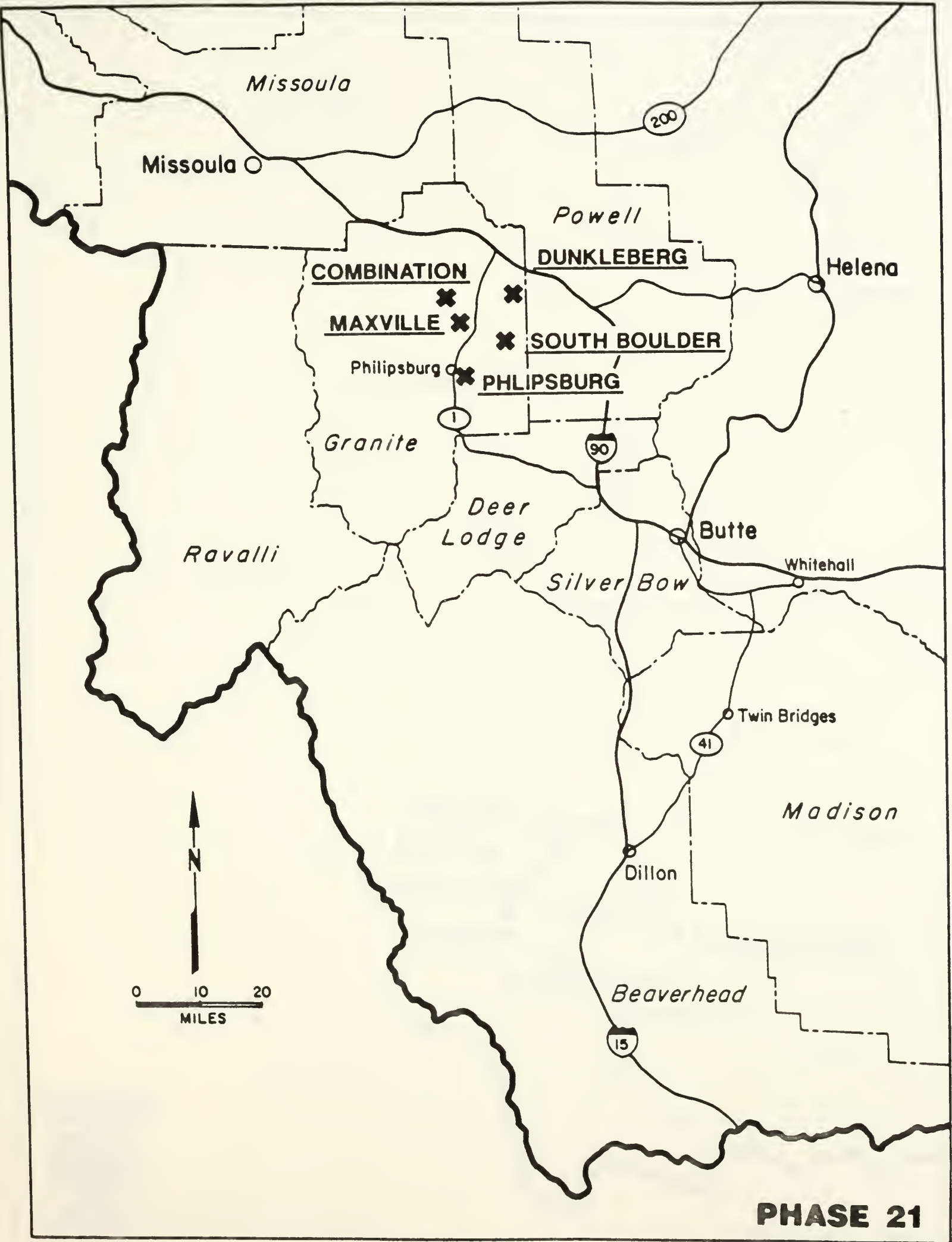
LOCATION MAP PHASE 18 SITES



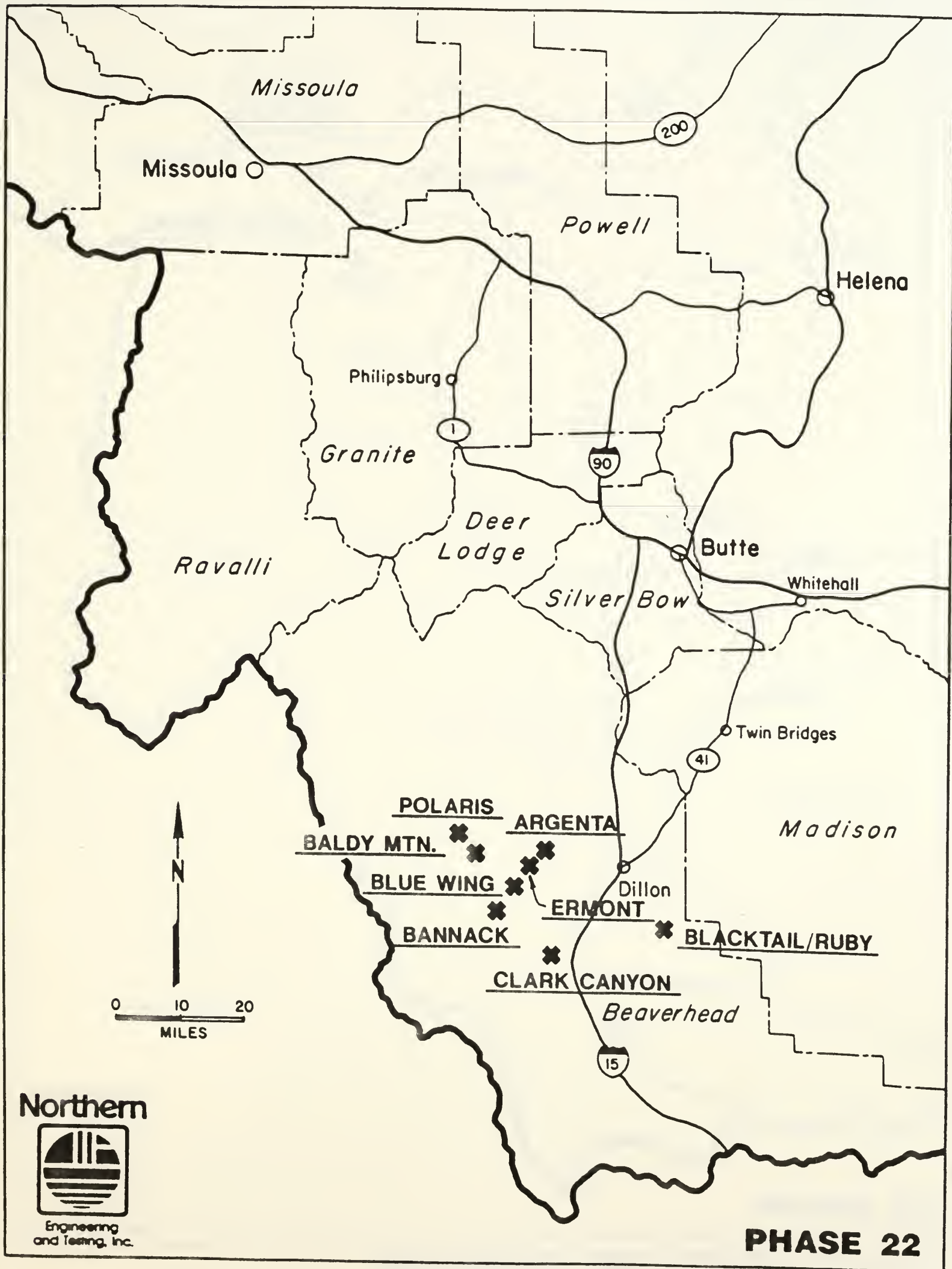
PHASE 19
PROJECT LOCATION
MAP



N.T.S.

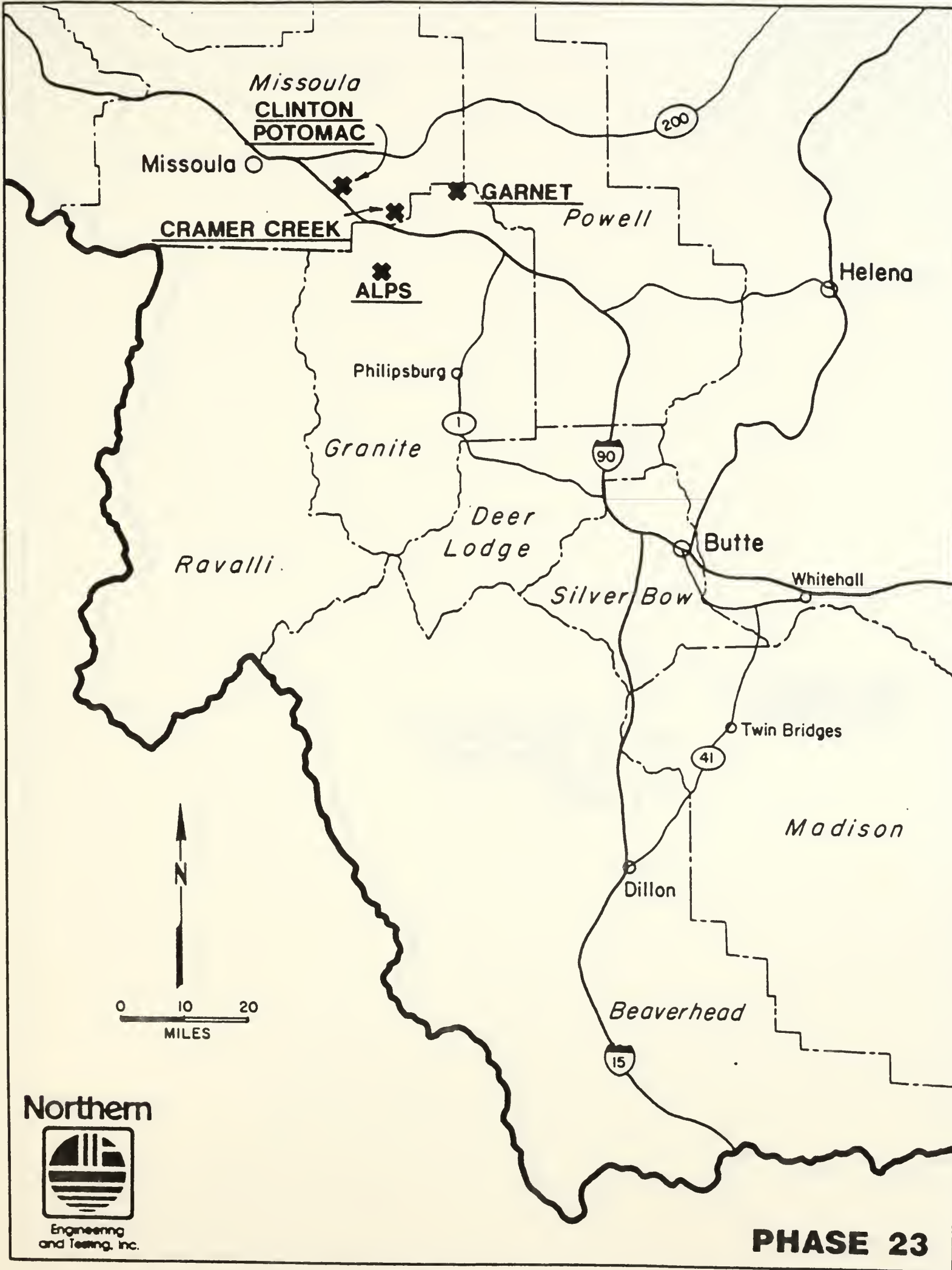


PHASE 21
HAZARDOUS MINE OPENING PROJECT



HAZARDOUS MINE OPENING PROJECT

PHASE 22



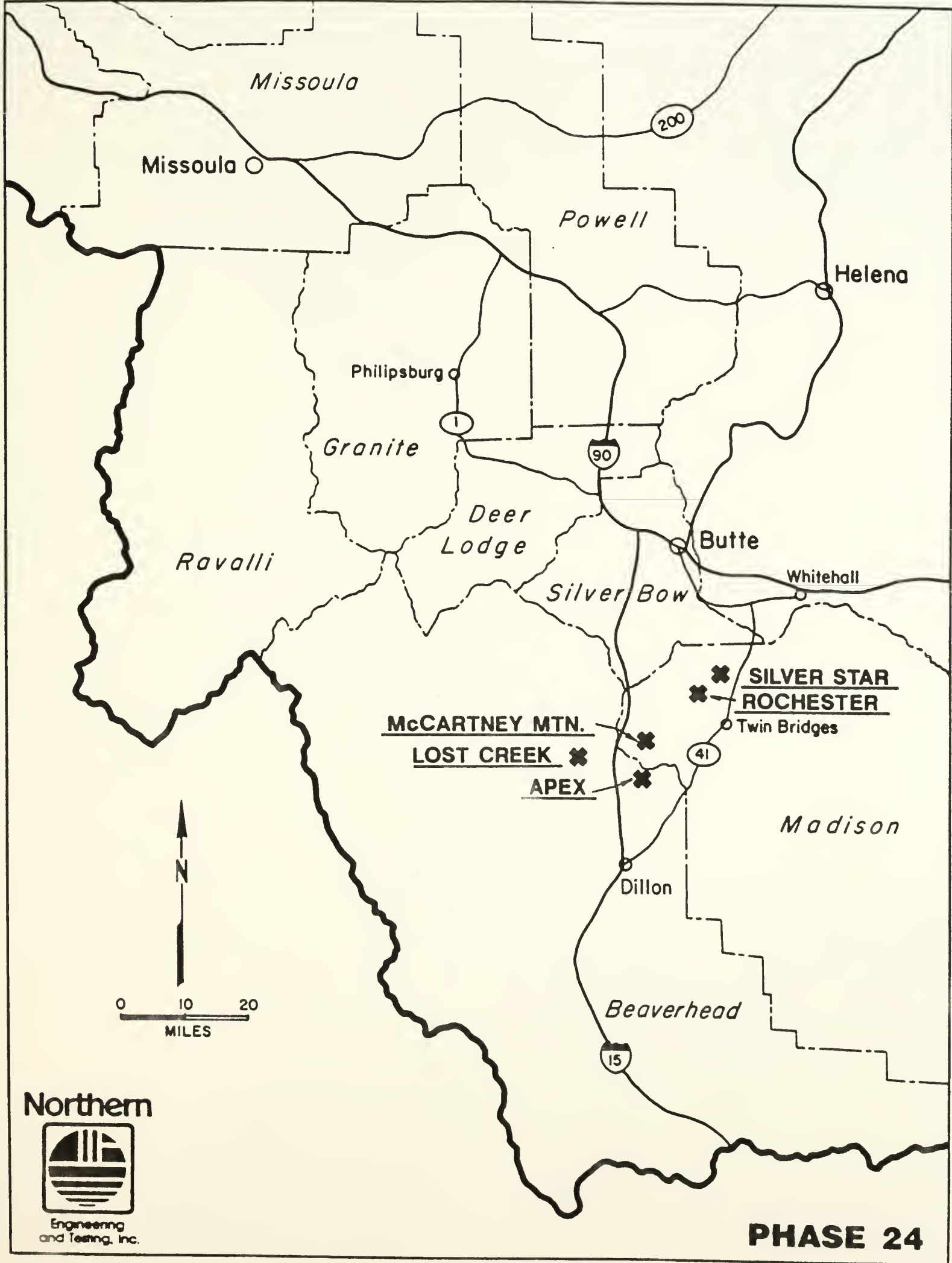
Northern



Engineering
and Testing, Inc.

PHASE 23

HAZARDOUS MINE OPENING PROJECT



Northern



Engineering
and Testing, Inc.

PHASE 24

HAZARDOUS MINE OPENING PROJECT

APPENDIX C

APPENDIX D

APPENDIX C

COMPLETED HMO CONSTRUCTION PHASE RECLAMATION PERFORMED

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 01

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
25-051	Lewis & Clark	Helena	Gunn	Shaft	Backfill
25-045	Lewis & Clark	Helena	Hubbard-Cycle	1 = Shaft 2 = Shaft 1 = Adit 2 = Adit	Grate Backfill Adit door Backfill
25-070	Lewis & Clark	Helena	Stiller	Adit Shaft	Backfill Backfill
25-071	Lewis & Clark	Helena	Tangen	1,2 = Shafts 4 = Shaft 5 = Shaft 3 = Shaft 1 = Adit	Backfill Backfill Backfill Grate Lock
25-048	Lewis & Clark	Scratchgravel	Anders-Julia	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft	Culvert Grate Backfill Backfill
25-089	Lewis & Clark	Scratchgravel	John G. Mine	Shaft Adit	Backfill Backfill
25-108	Lewis & Clark	Scratchgravel	Lexington	Shaft Adit	Fence Backfill
25-094	Lewis & Clark	Scratchgravel	Lovely-Oompaul	1 = Shaft 2 = Shaft 3 = Shaft	Backfill Backfill Grate
25-093	Lewis & Clark	Scratchgravel	North Saddle	2 = Shaft 1 = Adit	Backfill Backfill
25-079	Lewis & Clark	Scratchgravel	South Saddle	1 = Shaft 2 = Shaft 1 = Adit	Backfill Backfill Blast
25-014	Lewis & Clark	York	Golden Messenger	1 = Shaft 2 = Shaft C.O. = Adit C.O. = Decline	Backfill Cone Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 02

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
25-061	Lewis & Clark	Marysville	Cruse-Belmont	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft 5 = Shaft 6 = Shaft	Fence Fence Fence Fence Fence Fence
25-015	Lewis & Clark	Marysville	Fritsche-Empire	1 = Stope 2 = Shaft 3 = Shaft 4 = Stope 5 = Shaft 6 = Shaft	Fence Fence Fence Fence Fence Fence
25-080	Lewis & Clark	Marysville	Fritsche-Empire	7 = Shaft 8 = Stope 9 = Stope	Fence Fence Fence
25-087	Lewis & Clark	Marysville	Seifert-Snowdrift	1 = Shaft 2 = Shaft 3 = Shaft 1 = Stope	Fence Fence Fence Fence
25-084	Lewis & Clark	Marysville	Tetchner-Penobscot	Stope	Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 04

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
25-029	Lewis & Clark	Blue Cloud	Blue Cloud	1 = Shaft 2 = Shaft 7 = Shaft 8 = Shaft 3 & 4 = Shaft 5 & 6 = Shaft Area 1 = Shaft Area 2 = Shaft	Backfill Backfill Backfill Backfill Fence Fence Fence Fence
25-066	Lewis & Clark	Helena	Block II, Sparta	Adit	Backfill
25-041	Lewis & Clark	Helena	Broadwater	1 = Adit 1 = Shaft 2 = Shaft	Adit door Culvert Fence
25-056	Lewis & Clark	Helena	City Park	Trench 1 = Shaft 2 = Shaft	Backfill Backfill Backfill
25-052	Lewis & Clark	Helena	Hawkeye-Chaucer Street	Shaft	Backfill
25-053	Lewis & Clark	Helena	Kranich	Shaft	Backfill
25-054	Lewis & Clark	Helena	Le Grand Canyon	Shaft	Backfill
25-055	Lewis & Clark	Helena	Lombardy	1 = Adit 2 = Adit	Backfill Backfill
25-074	Lewis & Clark	Helena	USFS-Davis	Adit	Adit Door

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 05

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
12-004	Deer Lodge	Silver Lake	Gold Coin	East = Stope West = Stope North/2/3 = Stope 1 = Shaft 4 = Shaft 5 = Shaft 6 = Shaft	Fence Fence Fence Fence Fence Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 07

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-019	Beaverhead	Argenta	Anaconda	1 = Shaft	Fence
01-010	Beaverhead	Argenta	Argenta & Madison	Argenta 1 = Shaft Argenta 2 = Shaft Argenta = Trench Madison 1 = Shaft Madison = Shaft Madison = Shaft	Fence Fence Fence Fence Wood Cover Wood Cover
01-018	Beaverhead	Argenta	Brownell	1 = Shaft	Fence
01-023	Beaverhead	Argenta	Carbonate	1 = Shaft	Fence
01-020	Beaverhead	Argenta	Coolidge	1 = Shaft 2 = Shaft 3 = Shaft	Fence Fence Fence
01-016	Beaverhead	Argenta	Copper Bell	1 = Shaft 2 = Shaft	Fence Fence
01-017	Beaverhead	Argenta	Hand	1 = Shaft 2 = Shaft 3 C.O. = Shaft	Fence Fence Fence
01-015	Beaverhead	Argenta	Iron Mountain	1 = Shaft 2 = Shaft 3 = Shaft	Fence Fence Fence
01-024	Beaverhead	Argenta	Jack Rabbit	1 = Shaft 2 = Shaft	Fence Fence
01-025	Beaverhead	Argenta	Midnite	1 = Shaft	Fence
01-026	Beaverhead	Argenta	Sylvia	1/2/Trench = Shaft	Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 08

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-006	Beaverhead	Bannack	Apex Mill Site	Adit Ponds	Adit Gate Jack Fence
01-027	Beaverhead	Bannack	Beaverhead	1 = Shaft 2 = Shaft	Backfill Backfill
01-028	Beaverhead	Bannack	Bluegrass	1 = Shaft 2 = Shaft	Fence Fence
01-029	Beaverhead	Bannack	Gold Bug	1 = Shaft 2 = Shaft 3 = Shaft	Fence Fence Fence
01-030	Beaverhead	Bannack	Hand Placer	3 = Shaft 4 = Shaft Adit	Fence Backfill Backfill
01-055	Beaverhead	Bannack	Hand Placer	1,2 = Shafts 5 C.O. = Shaft	Fence Fence
01-031	Beaverhead	Bannack	Hanson Properties	2 = Shaft 3 = Shaft	Fence Fence
01-032	Beaverhead	Bannack	Hanson Properties	1 = Shaft Stope	Fence Fence
01-039	Beaverhead	Blue Wing	Del Monte	1 = Shaft 2 = Shaft	Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 09

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
22-123	Jefferson	Helena	Diehl	East 1 = Shaft	Backfill
22-124	Jefferson	Helena	Diehl	West 1 = Shaft West 2 = Adit	Backfill Backfill
22-100	Jefferson	Helena	Walker	1 = Shaft 2 = Shaft	Backfill Backfill
22-099	Jefferson	Helena	Walker	3 = Shaft	Backfill
22-050	Jefferson	McClellan	Maupin Creek	1 = Shaft	Backfill
22-051	Jefferson	McClellan	Maupin Creek	2 = Shaft 3 = Shaft 4 = Shaft	Backfill Backfill Wood Cover
22-042	Jefferson	McClellan	McClellan Creek	Shaft	Fence
22-053	Jefferson	McClellan	Mill Creek	Shaft	Backfill
22-055	Jefferson	McClellan	Strawberry Creek	Shaft	Backfill
22-035	Jefferson	Montana City	Dike	1 = Shaft 2 = Shaft	Fence Fence
22-026	Jefferson	Montana City	Goldbug	1 = Shaft	Fence
22-370	Jefferson	Montana City	Kaiser	Shaft	Backfill
25-095	Lewis & Clark	Helena	May-be-So	Adit	Backfill
25-096	Lewis & Clark	Helena	Mt Ascension Heights	1 = Shaft 2,3 = Shafts	Backfill Backfill
25-097	Lewis & Clark	Helena	Red Letter	1 = Shaft 2 = Shaft	Backfill Backfill
25-098	Lewis & Clark	Helena	Susie	Shaft	Backfill
25-072	Lewis & Clark	Helena	Touchstone	Adit	Not Done

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 10

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
25-063	Lewis & Clark	Marysville	Carbonate	Shaft	Fence
25-075	Lewis & Clark	Marysville	Crossroads	Shaft	Fence
25-077	Lewis & Clark	Marysville	Earthquake	Shaft	Wood Cover
25-081	Lewis & Clark	Marysville	Gulf	1 = Shaft	Fence
25-083	Lewis & Clark	Marysville	Northside	1 = Shaft	Fence
25-085	Lewis & Clark	Marysville	Shakopee	1 = Shaft 2/3/trench = Trench	Fence Fence
25-086	Lewis & Clark	Marysville	Shannon	1 = Shaft	Backfill
25-088	Lewis & Clark	Marysville	Tom Moran	1 = Shaft	Fence
25-090	Lewis & Clark	Marysville	Towsley	1 = Shaft 2 = Shaft	Fence Fence
25-091	Lewis & Clark	Marysville	Towsley Unpatented	1 = Shaft 2 = Shaft 3 = Shaft	Fence Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 11

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
22-034	Jefferson	Montana City	Nancy Hanks/Faith	East = Shaft West = Shaft	Fence Fence
25-028	Lewis & Clark	Austin	War Eagle	1 = Shaft 2 = Shaft 3 = Shaft	Backfill Backfill Fence
25-043	Lewis & Clark	Helena	Chaucer Quarry	Highwall	Jack Fence
25-057	Lewis & Clark	Helena	Ninety Six	1 = Shaft 2 = Adit	Fence Lock
25-099	Lewis & Clark	Helena	Touchstone Quarry	Highwall	Fence
25-050	Lewis & Clark	Helena	White Dump	Shaft	Backfill
25-003	Lewis & Clark	Rimini	Justice	Shaft	Fence
25-105	Lewis & Clark	Scratchgravel	Aster-Silver Age	Aster = Shaft Silver Age = Shaft	Backfill Backfill
25-110	Lewis & Clark	Scratchgravel	Elma & Section 27	Adit S 27 = Shaft	Adit Door Backfill
25-111	Lewis & Clark	Scratchgravel	Head Lane	North = Adit Middle = Adit South = Adit	Backfill Backfill Backfill
25-112	Lewis & Clark	Scratchgravel	John G. Mine	Shaft,Pits	Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 12

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
20-040	Granite	Philipsburg	Basin	West = Adit East = Adit Shaft	Backfill Backfill Backfill
20-041	Granite	Philipsburg	Bay Horse	1 = Shaft 2 = Shaft	Fence Wood Cover
20-061	Granite	Philipsburg	Chicago	Headframe = Shaft North = Shaft South = Shaft	Fence Fence Fence
20-042	Granite	Philipsburg	Climax	Shaft	Wood Cover
20-045	Granite	Philipsburg	Gertrude/Bryant	1 = Shaft 2 = Shaft	Backfill Fence
20-046	Granite	Philipsburg	Granite Mountain	3 = Shaft	Fence
20-047	Granite	Philipsburg	Granite Mountain	4 = Shaft	Fence
20-026	Granite	Philipsburg	Granite Mountain	1 = Shaft	Fence
20-032	Granite	Philipsburg	Granite Mountain	2 = Shaft	Fence
20-048	Granite	Philipsburg	Grey	1 = Shaft 2 = Adit 3 = Adit	Fence Adit door Lock
20-049	Granite	Philipsburg	Headlight	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft 5 = Shaft Adit	Fence Fence Fence Fence Fence Adit door
20-050	Granite	Philipsburg	Hope Hill	11 = Stope 12 = Stope	Fence Fence
20-051	Granite	Philipsburg	Hope Hill	1 = Shaft 2 = Shaft 4 = Shaft 8,9,13 = Shafts 10 = Shaft	Fence Fence Fence Fence Fence
20-052	Granite	Philipsburg	Hope Hill	3 = Shaft 5 = Shaft 6 = Shaft 7 = Shaft	Fence Fence Fence Fence
20-001	Granite	Philipsburg	Hope Hill	14 = Shaft	Sign

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 12 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
20-054	Granite	Philipsburg	IB	1 = Shaft 2 = Shaft	Backfill Backfill
20-055	Granite	Philipsburg	Lucy	1 = Adit 2 = Adit/shaft 3 = Adit 4 = Adit 5 = Adit 6 = Adit 7 = Shaft	Backfill Backfill Backfill Backfill Backfill Backfill Backfill
20-056	Granite	Philipsburg	Mary B.	Shaft	Backfill
20-057	Granite	Philipsburg	Mountain View	Stope	Fence
20-060	Granite	Philipsburg	Star Pointer	Shaft	Fence
20-019	Granite	Philipsburg	Trout-Scratch All	1 = Shaft	Fence
20-062	Granite	Philipsburg	Trout-Scratch All	2 = Adit, Shaft 3 = Shaft	Fence Fence
20-063	Granite	Philipsburg	True	Shaft	Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 13

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ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 13 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
04-030	Broadwater	Radersburg	Lucky Friday/E/Gold Brick	Shaft	Backfill
04-058	Broadwater	Radersburg	Lucky Friday/Eldorado/GB	Shaft	Backfill
04-059	Broadwater	Radersburg	Lucky Friday/Eldorado/GB	Shaft	Fence
04-037	Broadwater	Radersburg	Mabel	Shaft	Fence
04-038	Broadwater	Radersburg	Nada-Ruby	Upper = Shaft Lower = Shaft	Wood Cover Wood Cover
04-065	Broadwater	Radersburg	Nada-Ruby	Shaft	Wood Cover
04-039	Broadwater	Radersburg	North Home	1 = Shaft 2 = Shaft 3 = Shaft	Fence Fence Wood Cover
04-042	Broadwater	Radersburg	Rena	1 = Shaft 2 = Shaft 3 = Shaft	Backfill Backfill Backfill
04-044	Broadwater	Radersburg	Summit	1 = Shaft 2 = Shaft 3 = Shaft 4 = Adit 5 = Adit	Fence Fence Wood Cover Adit Door Adit Door
04-041	Broadwater	Radersburg	Surprise-Powerline	Shaft	Backfill
04-045	Broadwater	Radersburg	Surprise-Powerline	Shaft	Backfill
04-060	Broadwater	Radersburg	Tidal Wave	Shaft	Fence
04-046	Broadwater	Radersburg	Vermont Marble Quarry	Shaft	Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 14

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
47-012	Silver Bow	Highland	Gold Hill		
47-013	Silver Bow	Highland	Murphy/Only Chance	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft 5 = Shaft	Fence Fence Fence Fence Fence
47-014	Silver Bow	Independence	Butte West	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft Adit Adit 5 = Shaft	Backfill Backfill Backfill Backfill Backfill Backfill Fence
47-015	Silver Bow	Independence	Butte-Zenith	Shaft	Backfill
47-017	Silver Bow	Independence	Empire/Strike	Shaft	Backfill
47-019	Silver Bow	Independence	Green Lake	Shaft	Fence
47-018	Silver Bow	Independence	Nissler Forest Service	Shaft	Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 15

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
14-013	Fergus	North Moccasin	Barnes-King	Barnes King = Shaft Santiago = Shaft	Backfill Backfill
14-016	Fergus	North Moccasin	Horse Shoe	Trench 1 = Trench Unnamed 1 = Adit Horse Shoe = Adit Mule Shoe = Adit Horse Shoe = Shaft Horse Shoe = Incline Discovery = Shaft	Backfill Backfill Adit Gate Backfill Backfill Backfill Backfill
14-021	Fergus	North Moccasin	Kendall	Shaft Pit	Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 16

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
14-001	Fergus	Warm Springs	Big Six	Portal = Adit	Culvert
14-091	Fergus	Warm Springs	G.E.	Adit	Blast
14-015	Fergus	Warm Springs	Kix-McEvaney	Portal = Pit Portal = Shaft Portal = Adit	Backfill Backfill Backfill
14-090	Fergus	Warm Springs	Prester John	1 = Shaft 2 = Shaft 1 = Stope 2 = Stope 1 = Incline 2 = Incline 3 = Incline 4 = Incline 3 = Shaft 4 = Shaft 5 = Shaft 6 = Shaft 1 = Adit 2 = Adit 3 = Adit	Backfill Backfill Blast Blast Backfill Backfill Backfill Blast Blast Backfill Fence Backfill Adit Door Adit Door Blast
14-024	Fergus	Warm Springs	Whiskey Gulch	Shaft 1 = Shaft Shaft 1 = Adit Adit 1 = Adit Adit 2 = Adit	Backfill Blast Adit Gate Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 17

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
14-028	Fergus	Warm Springs	Crystal Peak-Pilgrim	Shaft	Backfill
14-027	Fergus	Warm Springs	Crystl Pk-Florence/Gt Evn	Portal 1 = Adit Main Portal = Adit Main Portal = Raise Main Portal = Shaft Main Portal = Incl.Shaft Incl. Adit = Adit	Backfill Adit Gate Backfill Backfill Backfill Backfill
14-017	Fergus	Warm Springs	Gold Hill-Cumberland	Portal 1 = Adit Raise = Shaft Pit	Adit Door Backfill Fence
14-014	Fergus	Warm Springs	Grassy Mtn-Silver Bullion	Shaft	Fence
14-023	Fergus	Warm Springs	Western Mines	Upper Cmpx 3 = Shaft Main Cmpx 1 = Adit NW Complex 1 = Shaft	Backfill Adit Door Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 18

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-044	Beaverhead	Quartz Hill	Dewey	West = Shaft East = Shaft	Backfill Backfill
04-015	Broadwater	Hellgate	Argo	Adit	Adit Door
04-047	Broadwater	Three Forks	Copper City	1 = Shaft 2 = Shaft 3 = Shaft	Backfill Backfill Backfill
04-048	Broadwater	Three Forks	Copper City	6 = Shaft	Not Done
04-063	Broadwater	Three Forks	Copper City	4 = Shaft 5 = Shaft	Backfill Backfill
12-013	Deer Lodge	Georgetown	B - Group	Shaft	Fence
12-018	Deer Lodge	Georgetown	Middle of the Road	Shaft	Backfill
12-017	Deer Lodge	Georgetown	Pomeroy	Stope	Fence
12-019	Deer Lodge	Lost Creek	Great Eastern	1,2 = Shafts	Fence
12-015	Deer Lodge	Silver Lake	Daly Gulch	Shaft	Wood Cover
12-011	Deer Lodge	Silver Lake	Old Bonanza	Shaft	Fence
12-012	Deer Lodge	Silver Lake	Silver Reef	1 = Shaft 2 = Shaft 3 = Adit	Fence Fence Lock
20-038	Granite	Garnet	BLM-Shamrock	1 = Shaft 3 = Adit 4 = Adit 5 = Adit 6 = Adit	Backfill Backfill Backfill Backfill Backfill
20-035	Granite	Garnet	Garnet Group	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft 5 = Shaft 6 = Shaft	Fence Fence Fence Fence Fence Fence
22-098	Jefferson	Big Foot	Clark	Adit	Adit Door
22-080	Jefferson	Big Foot	Hoosier Boy	Shaft	Fence
22-081	Jefferson	Big Foot	Nickel Plate	Shaft	Wood Cover

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 18 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
22-082	Jefferson	Big Foot	South Fork	North = Shaft South = Shaft	Backfill Backfill
22-107	Jefferson	Elkhorn	Dunstone	1 = Shaft 2 = Shaft 3 = Shaft 4 = Adit	Fence Fence Wood Cover Lock
22-108	Jefferson	Elkhorn	James R. Keene	1,2 = Shafts 3 = Shaft	Fence Fence
22-109	Jefferson	Elkhorn	Louise	Shaft	Fence
22-113	Jefferson	Elkhorn	Union	1 = Shaft 2 = Shaft 3 = Adit	Fence Fence Adit Door
22-025	Jefferson	Little Pipestone	Colbert Creek	Upper = Shaft Lower = Shaft	Backfill Backfill
22-015	Jefferson	Little Pipestone	Toll Mountain	Shaft	Backfill
22-016	Jefferson	Little Pipestone	Whiskey Gulch	Upper = Shaft Lower = Shaft	Backfill Backfill
22-019	Jefferson	Pipestone	Columbia	Upper = Shaft Middle = Shaft Lower = Adit/Shaft	Backfill Backfill Backfill
22-021	Jefferson	Pipestone	Ringin g Rocks	North = Shaft South = Shaft	Fence Fence
25-010	Lewis & Clark	Ophir	Victory	Lower = Shaft Upper = Shaft	Backfill Backfill
30-004	Meagher	Castle Mountains	Cumberland	Shaft Adit	Fence Backfill
30-011	Meagher	Castle Mountains	Judge	1/2 = Shaft 3/4 = Shaft	Fence Fence
30-013	Meagher	Castle Mountains	Lucky Dollar	Upper = Shaft Lower = Shaft	Fence Fence
30-015	Meagher	Castle Mountains	Yellowstone	North = Shaft South = Shaft	Fence Fence
30-006	Meagher	Murray	A-C Ranch	Shaft	Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 18 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
39-013	Powell	Garrison	Gravelly	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft 5 = Subsidence 6 = Shaft 7 = Shaft 8 = Shaft 9 = Shaft 10 = Shaft 11 = Shaft 12 = Shaft	Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill
39-019	Powell	Ophir	Fairview	Upper = Adit Lower = Adit	Adit Door Adit Door
39-028	Powell	Orofino	Orofino Campground	Shaft Adit	Backfill Backfill
47-024	Silver Bow	Melrose	Copper King	Shaft	Fence
47-025	Silver Bow	Melrose	Emma Nevada	West = Shaft East = Shaft	Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 19

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
07-089	Cascade	Hughesville	Silver Bell	1 = Shaft	Grate
07-079	Cascade	Neihart	Broadwater	Adit	Mesh
07-082	Cascade	Neihart	Hartley	1 = Adit 2 = Adit 3 = Shaft 4 = Shaft	Mesh Backfill Fence Fence
07-083	Cascade	Neihart	I.X.L.	Shaft	Fence
07-085	Cascade	Neihart	Queen of the Hills	Lower = Shaft	Fence
07-086	Cascade	Neihart	Silver Dyke	Pit Shaft	Fence Fence
14-022	Fergus	Warm Springs	Maginnis	1 = Adit 3 = Shaft 4 = Incline 8 = Stope	Adit Door Fence Fence Fence
14-020	Fergus	Warm Springs	Old Batch/Peso (C.O.Site)	Adit Adit Shaft Shaft Shaft Adit	Mesh Adit Door Grate Backfill Backfill Backfill
20-029	Granite	Moose Lake	Moose Lake	Incline	Backfill
23-001	Judith Basin	Hughesville	Block P	Shaft	Fence
23-018	Judith Basin	Hughesville	Cape Nome	Adit	Adit Door
23-019	Judith Basin	Hughesville	Carter	Adit	Adit Door
23-020	Judith Basin	Hughesville	Defiance	Adit	Adit Door
23-022	Judith Basin	Hughesville	Marcelline	Shaft	Wood Cover
23-023	Judith Basin	Hughesville	Myrtle Navy	1 = Adit	Not Done
29-011	Madison	Red Bluff	Birdie	Lower = Shaft Mid-lower = Shaft Mid-upper = Shaft Upper = Shaft	Fence Fence Fence Fence
29-012	Madison	Red Bluff	Black Rock	Upper = Shaft Lower = Shaft	Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 19 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-013	Madison	Red Bluff	Boaz	Shaft Shaft	Grate Backfill
29-014	Madison	Red Bluff	Chainsaw	Shaft	Fence
29-015	Madison	Red Bluff	East Norris	Northwest = Shaft Northeast = Shaft Southwest = Shaft Southcentral = Shaft Southeast = Shaft Adit	Backfill Backfill Backfill Backfill Backfill Backfill
29-017	Madison	Red Bluff	Gold Cup	Shaft	Fence
29-018	Madison	Red Bluff	Grey Eagle	Adit	Adit Door
29-019	Madison	Red Bluff	Red Bluff	Shafts Prospects	Backfill Backfill
29-022	Madison	Red Bluff	Water	North = Shaft South = Shaft Lower = Prospect Upper = Prospect	Backfill Backfill Backfill Backfill
29-023	Madison	Revenue	Arctic/Monitor	North = Shaft Central = Shaft South = Shaft	Fence Fence Fence
29-024	Madison	Revenue	Emperor	Shaft	Fence
29-025	Madison	Revenue	Hidden Treasure	Shaft	Fence
29-086	Madison	Revenue	Idaho	North = Shaft South = Shaft	Fence Fence
29-027	Madison	Revenue	Income	Shaft	Wood Cover
29-028	Madison	Revenue	Pearl	West = Shaft East = Shaft	Fence Fence
29-074	Madison	Rochester	(Change Order Site)	C.O. = Adit	Adit Door
29-049	Madison	Rochester	Abbie Alice	17B = Shaft 18B = Shaft 19B = Shaft 20B = Shaft 21B = Shaft 22B = Shaft 23B = Shaft	Backfill Backfill Backfill Backfill Backfill Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 19 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-052	Madison	Rochester	Ajax	38F = Shaft 39F = Shaft	Fence Fence
29-053	Madison	Rochester	Badger	12B = Shaft	Backfill
29-054	Madison	Rochester	Big Bonanza	6W = Shaft	Wood Cover
29-056	Madison	Rochester	Champion	4W = Shaft	Wood Cover
29-057	Madison	Rochester	Cooper	14F = Shaft 15F = Shaft 16F = Shaft 17F = Shaft	Fence Fence Fence Fence
29-058	Madison	Rochester	Deadbeat	58F = Shaft	Fence
29-059	Madison	Rochester	Eclipse	4F = Shaft	Fence
29-062	Madison	Rochester	Extension	18F,19F = Shafts 20F = Shaft 21F = Shaft	Fence Fence Fence
29-063	Madison	Rochester	Longfellow	13B = Shaft 14B = Shaft	Backfill Backfill
29-066	Madison	Rochester	NY #2	59F = Shaft	Fence
29-064	Madison	Rochester	New	25F = Shaft 26F = Shaft 27F = Shaft 28F = Shaft 3W = Shaft	Fence Fence Fence Fence Wood Cover
29-065	Madison	Rochester	New Years	15B = Shaft 16B = Shaft	Backfill Backfill
29-067	Madison	Rochester	Nez Nob	9B = Shaft 10B = Shaft 11B = Shaft	Backfill Backfill Backfill
29-068	Madison	Rochester	Nez Nob		
29-069	Madison	Rochester	North Star	22F = Shaft 23F/24F = Shaft 2W = Shaft 8W = Shaft	Fence Fence Wood Cover Wood Cover
29-070	Madison	Rochester	Picard	56F = Shaft 57F = Shaft	Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 19 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-050	Madison	Rochester	S-K	60F = Shaft	Fence
29-072	Madison	Rochester	S-N	61F = Shaft 62F = Shaft 7W = Shaft	Fence Fence Wood Cover
29-071	Madison	Rochester	Shoe Maker	5F/6F/7F = Shaft 8F/9F = Shaft 10F = Shaft 11F = Shaft 12F = Shaft 13F = Shaft 1W = Shaft	Fence Fence Fence Fence Fence Fence Wood Cover
29-073	Madison	Rochester	Thistle	1F = Shaft 2F/3F = Shaft 1B = Shaft 2B = Shaft 3B = Shaft 4B = Shaft 5B = Shaft 6B = Shaft 7B = Shaft 8B = Shaft 1A = Adit	Fence Fence Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill Adit Door
29-075	Madison	Rochester	Watseca	5W = Shaft	Wood Cover
41-003	Ravalli	Curlew	Curlew	Pit	Fence
41-002	Ravalli	Three Mile	White Cloud	1 = Pit 2 = Shaft 3 = Shaft 4 = Adit	Fence Grate Backfill Adit Door

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
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PA	COUNTY	DISTRICT	BID NAME	OPENINGS	RECLAMATION
01-033	Beaverhead	Birch Creek	Greenstone	1 = Adit 2/3 = Shaft 4 = Adit 5/6 = Shaft	Cable Net Fence Cable Net Fence
01-034	Beaverhead	Birch Creek	Indian Queen	1 = Adit 2 = Shaft	Backfill Wood Cover
01-035	Beaverhead	Birch Creek	Kopper Koine	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft	Fence Fence Fence Fence
01-036	Beaverhead	Birch Creek	Limestone Quarry	1 = Adit 2 = Shaft	Backfill Mesh Cover
01-037	Beaverhead	Birch Creek	Velvet	1 = Shaft Prospects	Fence Backfill
01-012	Beaverhead	Quartz Hill	Argyle	3 = Trench	Fence
01-042	Beaverhead	Quartz Hill	Aurora/Humboldt	14 = Shaft 15 = Stope 16 = Stope	Fence Fence Fence
01-043	Beaverhead	Quartz Hill	Bonanza	25 = Shaft	Fence
01-045	Beaverhead	Quartz Hill	Daisy/Gray Jockey	10 = Shaft 11 = Shaft 12 = Shaft 13 = Shaft	Fence Fence Fence Fence
01-046	Beaverhead	Quartz Hill	Great Western	4 = Stope 7 = Shaft 8 = Stope	Fence Fence Fence
01-011	Beaverhead	Quartz Hill	Pettengill	9 = Shaft	Fence
01-004	Beaverhead	Quartz Hill	Quartz Hill	23 = Shaft	Fence
01-049	Beaverhead	Quartz Hill	Tucson	17 = Shaft 18/19/20/21 = Shafts 22 = Shaft	Fence Fence Fence
01-041	Beaverhead	Quartz Hill	Twin Fir	2 = Shaft	Backfill
01-050	Beaverhead	Quartz Hill	West Lone Pine	1 = Shaft	Wood Cover
04-019	Broadwater	Indian Creek	Blacksmith	1 thru 8 = Shafts 9 = Shaft 10 = Shaft 11 = Shaft 12 = Shaft	Fence Fence Fence Fence Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 20 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
04-021	Broadwater	Indian Creek	Iron Mask	1 = Shaft 2 = Shaft 3 = Raise 4 = Prospect	Fence Fence Fence Backfill
04-022	Broadwater	Indian Creek	Little Giant	1 = Pit 2 = Shaft	Backfill Fence
04-023	Broadwater	Indian Creek	Lookout	1 = Shaft	Backfill
04-025	Broadwater	Indian Creek	Silver Wave	1 = Shaft	Fence
04-026	Broadwater	Indian Creek	W.A. Clark	1 = Shaft 2/3/4 = Stopes 5 = Shaft 6 = Shaft	Fence Fence Fence Fence
04-049	Broadwater	Winston	Antelope Creek	1 = Shaft	Backfill
04-050	Broadwater	Winston	Golden Age	1 = Adit	Cable Net
04-051	Broadwater	Winston	Kelly Gulch	1 = Shaft 2 = Shaft	Backfill Backfill
04-052	Broadwater	Winston	Kimber Gulch	1 = Adit	Fence
04-053	Broadwater	Winston	Marion	1 = Shaft	Fence
04-054	Broadwater	Winston	Orphan Boy	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft	Backfill Backfill Backfill Backfill
04-055	Broadwater	Winston	Staubach Trail	1 = Shaft	Backfill
04-056	Broadwater	Winston	Whitehead Ranch	1 = Shaft	Backfill
12-006	Deer Lodge	Lost Creek	Hoodoo Mountain	1 = Shaft	Backfill
12-016	Deer Lodge	Lost Creek	Little Bear	1 = Shaft 2 = Shaft	Fence Fence
22-059	Jefferson	Amazon	Baltimore	1 = Adit	Cable Net
22-061	Jefferson	Amazon	Cleveland	1 = Shaft	Fence
22-062	Jefferson	Amazon	Great Northern	1,2 = Shafts 3 = Shaft	Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 20 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
22-067	Jefferson	Amazon	Hope/Bullion	1 = Shaft	Wood Cover
22-063	Jefferson	Amazon	Kanawha	1 = Shaft	Fence
22-064	Jefferson	Amazon	Pilot	1 = Shaft 2 = Shaft	Sign Sign
22-065	Jefferson	Amazon	Wilbur Silver North	1 = Shaft	Fence
22-084	Jefferson	Clancy	Clancy Creek	1 = Shaft	Fence
22-085	Jefferson	Clancy	Haynes II	1 = Adit	Backfill
22-013	Jefferson	Clancy	Lump Gulch	1 = Shaft	Backfill
22-089	Jefferson	Clancy	Marks/Lump Gulch	1 = Shaft	Backfill
22-090	Jefferson	Clancy	Marks/Ridge Line	1 = Shaft	Backfill
22-091	Jefferson	Clancy	Meadow	1 = Shaft	Fence
22-092	Jefferson	Clancy	Mineral Hill	1 = Adit	Not Done
22-094	Jefferson	Clancy	Moonlight	1 = Shaft	Fence
22-038	Jefferson	Clancy	New Stake	1 = Adit 2 = Shaft 3 = Shaft 4 = Shaft	Cable Net Wood Cover Fence Fence
22-095	Jefferson	Clancy	Old Abe	1 = Shaft	Backfill
22-011	Jefferson	Clancy	Tycoon	1 = Shaft 2,3,4 = Shafts	Backfill Backfill
22-115	Jefferson	Lowland	Amason	1 = Shaft 2 = Shaft	Backfill Backfill
22-116	Jefferson	Lowland	Kit Carson	1 = Adit 2 = Shaft 3 = Shaft 4 = Shaft	Backfill Backfill Backfill Backfill
22-010	Jefferson	Lowland	Mabel	1 = Shaft	Backfill
22-117	Jefferson	Lowland	Montreal Star	1 = Shaft	Wood Cover

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 20 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
25-031	Lewis & Clark	Blue Cloud	Section 12-Blue Cloud	1 = Shaft	Backfill
25-044	Lewis & Clark	Helena	Contention	1 = Shaft	Backfill
25-046	Lewis & Clark	Helena	Dry Gulch	1 = Adit	Backfill
25-049	Lewis & Clark	Helena	Gray Rock	1 = Adit C.O. = Adit	Adit Door Adit Door
25-344	Lewis & Clark	Helena	Gray Rock C.O.	1 = Adit	Adit Door
25-064	Lewis & Clark	Helena	Orofino Ridge	1 = Shaft	Backfill
25-023	Lewis & Clark	Scratchgravel	Scratchgravel	1 = Shaft 2 = Pit 3 = Pit 6 = Shaft 7 = Shaft	Backfill Backfill Backfill Backfill Backfill
25-100	Lewis & Clark	Scratchgravel	Scratchgravel	4 = Adit	Backfill
25-101	Lewis & Clark	Scratchgravel	Scratchgravel	5 = Adit	Backfill
25-343	Lewis & Clark	Scratchgravel	Scratchgravel	8 = Adit 9 = Adit	Backfill Backfill
29-039	Madison	Renova	Bluebird/Colorado	1 = Shaft 2 = Shaft 3 = Shaft 4 = Shaft 5 = Shaft 6 = Shaft 1 = Shaft	Fence Fence Fence Backfill Backfill Backfill Wood Cover
29-040	Madison	Renova	Bonanza	1 = Adit 2 = Adit 3 = Shaft 4 = Shaft	Cable Net Cable Net Fence Fence
29-041	Madison	Renova	Bone Basin	1 = Adit	Backfill
29-042	Madison	Renova	Copper Mound	1 = Shaft	Fence
29-044	Madison	Renova	Craig	1 = Shaft	Backfill
29-046	Madison	Renova	Gold Leaf	1 = Adit 2 = Shaft 3 = Adit 4 = Shaft 5 = Shaft 6 = Adit 7 = Adit	Backfill Backfill Backfill Backfill Backfill Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 20 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-047	Madison	Renova	Little Nugget	1 = Adit 2 = Shaft 3 = Shaft 4 = Shaft	Backfill Fence Fence Fence
29-048	Madison	Renova	Mary Ingabar	1 = Shaft 2 = Shaft	Fence Fence
39-026	Powell	Emery	Cabin	1 = Shaft 2 = Shaft	Fence Fence
39-027	Powell	Emery	Emma Darling	1 = Shaft	Fence

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<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
20-077	Granite	Combination	Bunker Hill	1 = Adit	Culvert
20-036	Granite	Combination	Sunrise/Queen	2 = Adit 3 = Adit 4 = Adit 5 = Adit 6 = Adit	Cable Net Cable Net Cable Net Cable Net Cable Net
20-121	Granite	Dunkleberg	SE Section 14	9 = Adit 10 = Adit 8 = Subsidence 11 = Adit 13 = Adit	Backfill Backfill Backfill Backfill Backfill
20-118	Granite	Dunkleberg	SE Section 15	14 = Adit	Backfill
20-023	Granite	Dunkleberg	Wasa	15 = Adit	Culvert
20-075	Granite	Maxville	Cominco Phosphate	1 = Adit 2 = Adit 3 = Adit 4 = Adit 5 = Adit 7 = Adit	Adit Gate Blast Adit Gate Adit Gate Adit Gate Adit Gate
20-076	Granite	Maxville	Copper State	1 = Adit 2 = Shaft	Culvert Backfill
20-120	Granite	Maxville	Hattie	3 = Adit 4 = Adit	Backfill Backfill
20-112	Granite	Maxville	Londonderry	5 = Adit 6 = Adit 7 = Adit	Backfill Backfill Backfill
20-113	Granite	Maxville	Red Cloud	9 = Adit	Backfill
20-148	Granite	Maxville	SW Section 5	13 = Adit 14 = Stope 15 = Adit 16 = Shaft	Backfill Backfill Backfill Backfill
20-147	Granite	Maxville	Sawmill Creek	11 = Shaft	Backfill
20-123	Granite	Maxville	Snow Cap	12 = Adit	Backfill
20-005	Granite	Philipsburg	Algonquin	1 = Shaft	Fence
20-014	Granite	Philipsburg	Baier	3 = Shaft	Fence
20-074	Granite	Philipsburg	Cliff Gulch	4 = Adit 5 = Adit/Shaft 6 = Adit 7 = Adit 8 = Shaft	Backfill Blast Backfill Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 21 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
20-043	Granite	Philipsburg	Durango	9 = Adit 14A = Adit 14B = Adit 15 = Adit 16 = Stope 17 = Adit	Fence Culvert Culvert Cable Net Fence Adit Door
20-157	Granite	Philipsburg	Field/Porter	18 = Shaft 19 = Shaft 20 = Shaft 72 = Shaft	Grate Grate Grate Grate
20-110	Granite	Philipsburg	Granite Mountain	21 = Shaft 22 = Shaft	Fence Grate
20-051	Granite	Philipsburg	Hope Hill	29 = Adit 30 = Adit 31 = Shaft 32 = Shaft 33 = Shaft 34 = Adit 35 = Adit 36 = Adit 37 = Adit 38 = Adit 39 = Adit 40 = Adit 41 = Adit 42 = Adit 43 = Shaft 44 = Adit 79 = Adit 80 = Shaft 81 = Adit 82 = Adit 88 = Shaft 89 = Shaft 91 = Shaft 93 = Shaft	Culvert Culvert Fence Fence Grate Culvert Culvert Culvert Culvert Culvert Culvert Backfill Culvert Culvert Fence Backfill Culvert Fence Culvert Culvert Fence Fence Grate Grate
20-071	Granite	Philipsburg	Little Gem	45 = Shaft 46 = Adit 47 = Adit	Sp.Grate Culvert Culvert
20-106	Granite	Philipsburg	Lower Frost Creek	48 = Adit 49 = Adit	Backfill Culvert
20-108	Granite	Philipsburg	Puritan	50 = Shaft	Backfill
20-033	Granite	Philipsburg	San Francisco	51 = Shaft	Fence
20-019	Granite	Philipsburg	Scratch All	52 = Shaft 53 = Shaft 54,55 = Stopes 77 = Shaft	Fence Backfill Fence Grate
20-156	Granite	Philipsburg	Shapleigh	56 = Adit 90 = Shaft 92 = Adit	Culvert Fence Culvert

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HAZARDOUS MINE OPENING PROJECT
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<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
20-205	Granite	Philipsburg	South Franklin Hill		Fence
20-039	Granite	Philipsburg	Thomas Mckay/Hobo	23 = Adit 26 = Adit	Adit Gate Culvert
20-011	Granite	Philipsburg	Tom Hynes/Hobo		
20-062	Granite	Philipsburg	Trout	57 = Shaft 58 = Shaft 59 = Adit 60 = Shaft 75 = Shaft 83 = Shaft 84 = Shaft 94 = Shaft 95 = Adit	Backfill Fence Culvert Backfill Fence Grate Grate Fence Culvert
20-111	Granite	Philipsburg	True Fissure	61 = Adit 62 = Shaft	Culvert Fence
20-073	Granite	Philipsburg	Wenger #2	63 = Shaft 64 = Adit 65 = Adit 66 = Adit	Grate Culvert Cable Net Cable Net
20-072	Granite	Philipsburg	White Horse	67 = Adit 68 = Adit	Adit Door Cable Net
20-025	Granite	South Boulder	Brooklyn	1 = Adit	Culvert
20-064	Granite	South Boulder	Copper Creek	2 = Shaft 3 = Shaft	Backfill Backfill
20-089	Granite	South Boulder	Gold Hill	8 = Adit	Adit Door
20-010	Granite	South Boulder	Moonlight	4 = Adit 5 = Adit	Adit Door Culvert
20-155	Granite	South Boulder	Princeton	6 = Shaft	Grate
20-066	Granite	South Boulder	Royal Basin	10 = Adit	Backfill
20-087	Granite	South Boulder	Travonia	7 = Adit	Adit Door

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<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-125	Beaverhead	Argenta	Albers Spring	1 = Shaft	Backfill
01-121	Beaverhead	Argenta	Amaranth/Rbt Burns	2 = Shaft	Grate
01-014	Beaverhead	Argenta	Cold Day	3 = Shaft	Backfill
01-109	Beaverhead	Argenta	Dexter	4 = Shaft 5 = Shaft	Backfill Grate
01-123	Beaverhead	Argenta	Dexter Gulch	6 = Stope	Backfill
01-127	Beaverhead	Argenta	Ferdinand	7 = Shaft	Grate
01-191	Beaverhead	Argenta	Florence	8 = Adit	Backfill
01-100	Beaverhead	Argenta	Gold Finch	9 = Shaft 9A = Shaft 10 = Shaft	Grate Fence Grate
01-108	Beaverhead	Argenta	Golden Era	11 = Shaft	Grate
01-124	Beaverhead	Argenta	Good Friday Gulch	16 = Shaft 17 = Shaft	Backfill Backfill
01-022	Beaverhead	Argenta	Goodview	12 = Shaft 13 = Adit 14 = Adit 15 = Adit	Grate Backfill Backfill Backfill
01-120	Beaverhead	Argenta	Long John Gulch	20 = Adit 21 = Adit 21A = Adit	Backfill Backfill Backfill
01-119	Beaverhead	Argenta	Madison	22 = Shaft 23 = Shaft 23A = Shaft	Grate Grate Fence
01-129	Beaverhead	Argenta	May Day	24 = Shaft 25 = Shaft	Backfill Backfill
01-117	Beaverhead	Argenta	NE Section 24	26 = Shaft	Grate
01-189	Beaverhead	Argenta	NW Section 29	28 = Shaft 28A = Shaft	Backfill Backfill
01-099	Beaverhead	Argenta	Pilon Ranch	29 = Shaft 30 = Shaft	Grate Grate

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HAZARDOUS MINE OPENING PROJECT
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<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-126	Beaverhead	Argenta	Rosemont	32 = Shaft 33 = Shaft 33A = Adit	Grate Grate Culvert
01-175	Beaverhead	Argenta	SE Section 21	34 = Shaft	Backfill
01-128	Beaverhead	Argenta	SW Section 8	43 = Shaft	Fence
01-107	Beaverhead	Argenta	Silver Rule	35 = Shaft	Grate
01-130	Beaverhead	Argenta	Starlight	36,37 = Shafts	Fence
01-105	Beaverhead	Argenta	Stinson	40 = Adit 41 = Adit	Culvert Culvert
01-131	Beaverhead	Argenta	Storm King	42 = Shaft	Grate
01-122	Beaverhead	Argenta	White Lime	47 = Shaft	Backfill
01-091	Beaverhead	Baldy Mountain	Baldy #4/Hazel	1 = Adit	Culvert
01-088	Beaverhead	Baldy Mountain	Cable	2 = Adit	Culvert
01-054	Beaverhead	Baldy Mountain	Dillon	3 = Decline 4 = Adit 5 = Adit 6 = Adit	Culvert Culvert Culvert Backfill
01-089	Beaverhead	Baldy Mountain	Driscoll Creek	7 = Adit 8 = Adit	Backfill Backfill
01-087	Beaverhead	Baldy Mountain	Durham Bull	9 = Adit	Culvert
01-096	Beaverhead	Baldy Mountain	Grizzly Bear	10 = Shaft	Grate
01-090	Beaverhead	Baldy Mountain	Steel Creek	16 = Adit	Backfill
01-093	Beaverhead	Baldy Mountain	West Fork	17 = Adit	Backfill
01-177	Beaverhead	Baldy Mountain	Wild Bat	18 = Shaft 19 = Adit	Backfill Backfill
01-056	Beaverhead	Bannack	Bannack State Park	B = Adit C = Adit C1 = Adit C2 = Adit C3 = Adit C4 = Adit	Adit Door Blast Blast Blast Blast Blast

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 22 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-068	Beaverhead	Bannack	Bon Accord	F = Adit	Backfill
01-058	Beaverhead	Bannack	Box X	H = Shaft	Backfill
01-062	Beaverhead	Bannack	Excelsior	I = Shaft J = Adit K = Adit	Sp.Grate Cable Net Culvert
01-063	Beaverhead	Bannack	French	L = Adit M = Adit	Culvert Culvert
01-066	Beaverhead	Bannack	Golden Leaf	O,P = Pit,Shaft	Fence
01-061	Beaverhead	Bannack	Golden Ledge	Q = Adit	Culvert
01-057	Beaverhead	Bannack	Hendricks	R = Pit R1 = Adit R2 = Adit S = Adit T = Adit U = Adit V = Adit W = Stope X = Adit Y = Adit	Fence Blast Blast Blast Blast Blast Blast Blast Blast Blast
01-059	Beaverhead	Bannack	SW Section 5	LL = Adit SS = Shaft	Culvert Fence
01-064	Beaverhead	Bannack	Wadam	MM,NN,OO = Adit,Stope	Fence
01-065	Beaverhead	Bannack	Wallace	RR = Adit	Culvert
01-174	Beaverhead	Birch Creek	Humbolt Mountain	19 = Adit	Culvert
01-188	Beaverhead	Blacktail	Ground Hog	11 = Shaft 12 = Adit	Backfill Culvert
01-106	Beaverhead	Blacktail	NW Section 24	3 = Adit	Backfill
01-135	Beaverhead	Blacktail	Nevada	1 = Adit 2 = Shaft	Backfill Backfill
01-008	Beaverhead	Blacktail	Smith Dillon	4 = Stope 6 = Stope 7 = Adit	Backfill Backfill Backfill
01-075	Beaverhead	Blue Wing	Arctic	1 = Shaft	Grate

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<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-038	Beaverhead	Blue Wing	Bob Ingersoll	2 = Adit 3 = Shaft 4 = Shaft	Culvert Sp.Grate Sp.Grate
01-071	Beaverhead	Blue Wing	Cottontail	4A = Adit 5 = Adit 5A = Adit 6 = Shaft 7 = Shaft 7A = Shaft	Culvert Culvert Culvert Fence Fence Sp.Grate
01-074	Beaverhead	Blue Wing	Francis H.	8 = Shaft 9 = Shaft 10 = Shaft	Backfill Backfill Backfill
01-040	Beaverhead	Blue Wing	Hangmans Gulch	11 = Shaft 12 = Adit 13 = Shaft 14 = Adit	Backfill Backfill Backfill Backfill
01-085	Beaverhead	Blue Wing	Huron	15 = Adit 16 = Shaft 18 = Shaft 18A = Shaft 21 = Shaft 21A = Shaft 23 = Shaft 23A = Shaft 23B = Shaft 26 = Shaft 26A = Shaft 27 = Adit 29 = Adit 30 = Shaft 30A = Shaft 31 = Shaft 32 = Shaft 33 = Adit 34 = Shaft 34A = Shaft 34B = Shaft 39 = Shaft 40 = Shaft 41 = Adit 42 = Adit	Backfill Backfill Grate Fence Grate Fence Fence Fence Fence Grate Fence Cable Net Cable Net Grate Fence Grate Grate Cable Net Grate Fence Fence Grate Culvert Culvert
01-070	Beaverhead	Blue Wing	Iron Mask	43 = Adit	Culvert
01-069	Beaverhead	Blue Wing	Kent	44 = Adit 45 = Shaft 46 = Adit 47 = Shaft 48 = Adit 49 = Adit 50 = Shaft 51 = Shaft	Backfill Grate Cable Net Backfill Cable Net Culvert Backfill Grate
01-080	Beaverhead	Blue Wing	Log Cabin	52 = Adit	Culvert

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<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-076	Beaverhead	Blue Wing	NW Section 28	56 = Adit 57 = Shaft	Backfill Backfill
01-082	Beaverhead	Blue Wing	Nettie	53 = Shaft 54 = Shaft 55 = Shaft	Grate Backfill Backfill
01-178	Beaverhead	Blue Wing	New Departure	ND1 = Shaft ND21 = Shaft ND4 = Adit ND23 = Adit ND2 = Adit ND3 = Shaft ND12 = Adit ND12 = Winze ND15 = Adit ND17 = Adit ND22 = Adit ND9 = Adit ND10 = Adit ND7 = Shaft ND8 = Adit ND5 = Adit ND13 = Adit ND11 = Adit ND16 = Adit ND24 = Adit ND18 = Adit ND19 = Adit ND20 = Adit ND14 = Shaft ND6 = Adit	Backfill Grate Culvert Culvert Culvert Backfill Culvert Backfill Culvert Culvert Culvert Culvert Culvert Grate Culvert Culvert Culvert Backfill Backfill Culvert Backfill Culvert Backfill Culvert
01-079	Beaverhead	Blue Wing	Old Charter Oak	58 = Adit 59 = Adit 59A = Shaft 60 = Shaft	Adit Door Culvert Backfill Backfill
01-013	Beaverhead	Blue Wing	Silver Buckle	61 = Shaft 62 = Stope 63 = Shaft 64 = Stope 64A = Shaft	Grate Fence Grate Fence Fence
01-078	Beaverhead	Blue Wing	South Oak	65 = Shaft	Blast
01-073	Beaverhead	Blue Wing	Wheal Rose	66 = Adit	Culvert
01-110	Beaverhead	Ermont	Badger	1 = Shaft	Grate
01-114	Beaverhead	Ermont	East Ermont	2 = Shaft	Grate
01-005	Beaverhead	Ermont	Ermont Mill	8 = Shaft	Sp.Grates
01-112	Beaverhead	Ermont	Ermont No. 19	3 = Shaft 4 = Shaft 5 = Shaft	Grate Grate Grate

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 22 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-111	Beaverhead	Ermont	Opy	6 = Shaft	Grate
01-194	Beaverhead	Ermont	South Ermont	7 = Shaft	Grate
01-136	Beaverhead	Medicine Lodge	Clark Canyon	1 = Adit 2 = Shaft 3 = Shaft 4 = Shaft 5 = Shaft	Backfill Backfill Backfill Backfill Backfill
01-134	Beaverhead	Polaris	Silver King	G = Adit H = Adit H1 = Shaft H2 = Adit I = Shaft J = Shaft	Culvert Culvert Grate Backfill Grate Culvert
29-091	Madison	Ruby Mountain	Stone Creek	8 = Adit 9 = Shaft 10 = Shaft	Backfill Backfill Backfill

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 23

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
20-065	Granite	Alps	Alps	1 = Adit 2 = Adit 3 = Stope 6 = Adit	Cable Net Cable Net Sign Cable Net
20-092	Granite	Alps	Hidden Treasure	4 = Shaft	Grate
20-079	Granite	Alps	NE Section 27	7 = Adit	Cable Net
20-067	Granite	Alps	NW Section 23		
20-082	Granite	Alps	SW Section 23	5 = Adit	Cable Net
20-130	Granite	Garnet	Austin	3 = Shaft 4 = Shaft 5 = Shaft	Backfill Backfill Backfill
20-141	Granite	Garnet	Grant and Hartford	20 = Adit	Cable Net
20-099	Granite	Garnet	Herzer & Green	22 = Shaft	Backfill
20-135	Granite	Garnet	Magone and Anderson	28 = Adit 29 = Shaft 29A = Shaft	Culvert Backfill Backfill
20-037	Granite	Garnet	Mountain View	31 = Adit 32 = Adit 33 = Adit	Culvert Cable Net Cable Net
20-152	Granite	Garnet	Peggy Ann	35 = Adit	Culvert
20-038	Granite	Garnet	Shamrock	40 = Adit 41 = Adit 42 = Shaft 43 = Shaft 44 = Adit 45 = Adit	Backfill Backfill Backfill Backfill Backfill Backfill
32-013	Missoula	Clinton	Cape Nome	1 = Adit	Adit Door
32-015	Missoula	Clinton	Cascade	2 = Shaft 15 = Shaft	Backfill Backfill
32-012	Missoula	Clinton	Hidden Treasure	5 = Adit 6 = Adit 7-11 = Stopes	Backfill Lock Fence
32-024	Missoula	Clinton	Martha	12 = Adit	Cable Net
32-026	Missoula	Clinton	North Point	13 = Adit	Cable Net

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 23 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
32-025	Missoula	Clinton	Triangle	14 = Adit	Cable Net
32-018	Missoula	Cramer Creek	Chloride	3 = Shaft	Grate
32-017	Missoula	Cramer Creek	Linton	4 = Stope 5 = Stope	Fence Fence
32-002	Missoula	Cramer Creek	West Fk Cramer Crk	2 = Shaft	Backfill
32-021	Missoula	Potomac	Charcoal	4 = Shaft	Backfill
39-029	Powell	Garnet	Mountain	30 = Shaft	Fence

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 24

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
01-137	Beaverhead	Apex	Sodak	1 = Adit 2 = Adit 3 = Adit 4 = Adit	Backfill Backfill Backfill Backfill
01-190	Beaverhead	Lost Creek	Lost Fraction	1 = Adit	Adit Gate
01-182	Beaverhead	Lost Creek	Sugar Loaf	2 = Pit 3,4 = Pit	Fence Fence
29-087	Madison	McCartney Mountain	Glen	4 = Adit 5 = Adit 6 = Adit	Culvert Culvert Culvert
29-089	Madison	McCartney Mountain	Golden Fleece	7 = Adit	Culvert
29-026	Madison	McCartney Mountain	Mueller/Bessie	1 = Shaft 2 = Shaft 3 = Adit	Fence Grate Culvert
29-051	Madison	Rochester	Agnes	1 = Shaft 2 = Shaft	Grate Grate
29-193	Madison	Rochester	Anything	3,3A = Shafts 4 = Stope 5 = Shaft 5A = Shaft 6 = Shaft	Backfill Backfill Backfill Backfill Grate
29-055	Madison	Rochester	C.C. #2	7 = Shaft 8 = Shaft 9 = Shaft	Grate Grate Grate
29-060	Madison	Rochester	Elgin	10 = Shaft 11 = Shaft	Grate Grate
29-061	Madison	Rochester	Emma	14 = Shaft 15 = Shaft 16 = Shaft 16A = Shaft 17,18 = Shafts	Grate Grate Grate Grate Fence
29-208	Madison	Rochester	Hermit	19 = Shaft	Grate
29-207	Madison	Rochester	Idler	20 = Shaft	Grate
29-196	Madison	Rochester	Lizzie Ann	21 = Shaft	Grate
29-192	Madison	Rochester	Monitor	22 = Shaft	Grate
29-190	Madison	Rochester	NE Section 32	26 = Shaft	Grate

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 24 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-188	Madison	Rochester	NE Section 4	23 = Shaft 24 = Shaft	Grate Grate
29-159	Madison	Rochester	NW Section 26	30 = Shaft 30A = Shaft	Grate Grate
29-160	Madison	Rochester	NW Section 33	31 = Shaft 32 = Shaft 33 = Shaft 34 = Adit 35 = Shaft 36 = Shaft 37 = Adit 38 = Shaft	Backfill Backfill Backfill Backfill Backfill Backfill Backfill Backfill
29-158	Madison	Rochester	Never Fail	27 = Adit 28 = Shaft 29 = Shaft	Culvert Grate Grate
29-189	Madison	Rochester	SW Section 3	40 = Adit	Culvert
29-191	Madison	Rochester	SW Section 9	44 = Adit	Backfill
29-075	Madison	Rochester	Watseca	45 = Shaft 46 = Shaft 46A = Shaft 46B = Shaft 46C = Shaft 46D,E = Shafts	Fence Grate Grate Grate Fence Fence
29-195	Madison	Rochester	Yellow Metal	48 = Shaft	Grate
29-173	Madison	Silver Star	Agalia	1 = Shaft 2 = Adit	Grate Culvert
29-183	Madison	Silver Star	Aurora Boraellis	8 = Adit 9 = Adit	Adit Door Culvert
29-145	Madison	Silver Star	Aurora/Galena	10,11 = Adit,Shaft 11A = Shaft	Backfill Backfill
29-180	Madison	Silver Star	Baccharat	12 = Shaft 13 = Shaft 14 = Shaft 14A = Shaft	Backfill Grate Grate Sp.Culvert
29-179	Madison	Silver Star	Broadway/Victoria	15 = Shaft 16 = Shaft 76 = Shaft 77 = Shaft 78 = Shaft 79 = Decline 80 = Adit 88 = Adit	Sp.Grate Grate Backfill Backfill Backfill Fence Culvert Culvert

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 24 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-177	Madison	Silver Star	Bull Dog	19 = Adit 20,20A = Adits 21 = Adit 68 = Adit 69 = Adit 22 = Shaft	Culvert Backfill Culvert Culvert Backfill Fence
29-154	Madison	Silver Star	Chromite	23 = Pit	Backfill
29-152	Madison	Silver Star	Clancy	24 = Stope 25 = Shaft	Backfill Grate
29-143	Madison	Silver Star	Clifford	26 = Shaft 27 = Shaft 28 = Shaft 29 = Shaft	Backfill Backfill Backfill Backfill
29-200	Madison	Silver Star	Clipper	30 = Adit 31 = Adit	Culvert Culvert
29-147	Madison	Silver Star	Cricket	32 = Adit 32A = Shaft 33 = Adit	Culvert Grate Culvert
29-181	Madison	Silver Star	Glenns Falls	34 = Adit 35 = Shaft 36 = Stope 37 = Adit 38 = Adit	Backfill Backfill Backfill Backfill Backfill
29-090	Madison	Silver Star	Golden Rod	39 = Adit 40 = Adit	Cable Net Cable Net
29-009	Madison	Silver Star	Green-Campbell	41 = Shaft 42 = Shaft 43 = Shaft 44 = Shaft 45 = Adit 46 = Adit 47 = Adit 48 = Adit	Grate Grate Fence Grate Culvert Culvert Culvert Culvert
29-211	Madison	Silver Star	Hudson	17 = Shaft 81 = Adit 84 = Shaft	Grate Culvert Grate
29-174	Madison	Silver Star	Iron Rod	49 = Shaft 50 = Shaft 51 = Shaft 52 = Adit 70 = Shaft	Fence Grate Grate Cable Net Fence
29-175	Madison	Silver Star	Iron Rod Extention	60 = Shaft 61 = Shaft	Grate Grate

ABANDONED MINE RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT
PHASE 24 continued

<u>PA</u>	<u>COUNTY</u>	<u>DISTRICT</u>	<u>BID NAME</u>	<u>OPENINGS</u>	<u>RECLAMATION</u>
29-176	Madison	Silver Star	Keystone	54 = Shaft 55 = Adit 57 = Pit	Sp.Grate Adit Door Fence
29-182	Madison	Silver Star	Locust	58 = Shaft 58A = Shaft 58B = Shaft 59 = Shaft	Sp.Grate Fence Fence Grate
29-186	Madison	Silver Star	Moonlight	62 = Adit 63 = Shaft	Adit Door Grate
29-213	Madison	Silver Star	Morning	87 = Adit	Cable Net
29-178	Madison	Silver Star	Sample Orr	64 = Adit 65 = Shaft	Backfill Backfill
29-148	Madison	Silver Star	Shamrock/Quincy	73 = Shaft	Fence
29-151	Madison	Silver Star	Star	66 = Adit	Cable Net
29-144	Madison	Silver Star	Stella/Golden Spike	67 = Adit 67A = Adit	Backfill Backfill

APPENDIX D

MAINTENANCE INVENTORY - SUMMARIZED RESULTS

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PORTAL PROJECT - PHASE 1**

HELENA MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-045	Hubbard-Cycle	Shaft #1	Steel grate was primed but never painted. Expanded metal grating on top of framework is beginning to rust.
25-071	Tangen	Shaft #3	Steel grate was primed but never painted. Expanded metal grating on top of framework is beginning to rust.
		Shaft #4	Minor subsidence.
		Adit #1	Lock installed on existing door has been vandalized. Installation of new adit gate is scheduled for Project 26 construction.

SCRATCHGRAVEL MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-048	Anders-Julia	Shaft #1	The incline was backfilled by an unauthorized party after a culvert was installed to permit future entry.
		Shaft #2	Steel grate was removed and the shaft was backfilled. Grate is located on-site and did not appear to be damaged. It could be re-used on a different shaft but should first be painted to avoid rust.
25-089	John G. Mine		Additional prospects in vicinity of project sites should also have been backfilled.

SCRATCHGRAVEL MINING DISTRICT (continued)

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-108	Lexington	Shaft #1	No hazard signs were installed on the fence at this site.
25-094	Lovely-Oompaul	Shaft #3	Steel grate was primed but never painted. Expanded metal grating on top of framework is beginning to rust.
25-079	South Saddle	Shaft #1	Minor subsidence.
		Shaft #2	Minor subsidence.
		Adit #1	Reclamation (blasting) did not create a natural contour at this portal. A 10-12 foot highwall remains. Access can be gained into tunnel through a 2 x 1 subsided opening.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PORTAL PROJECT - PHASE 2**

MARYSVILLE DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-061	Cruise-Belmont	Shafts #1 - #4	These mine openings were not visited prior to the suspension of field work.
25-087	Seifert-Snowdrift	Shaft #1	Gate from fenced enclosure was stolen immediately upon completion of reclamation construction.
		Stope #1	Top strand of barbed wire is down in one place. Woven wire has been crushed down for access. Hazard signs are badly faded and some are missing.
25-084	Tetchner-Penobscot	Stope	Gate from fenced enclosure was stolen immediately upon completion of reclamation construction. Passageway has been wired across. Hazard signs and orange delineator posts have become faded.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PORTAL PROJECT - PHASE 3**

ALHAMBRA MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-056	Wall	Shaft #1	This mine openings was not visited prior to the suspension of field work.

CLANCY MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-006	Cole-Liverpool	Shaft #9	Bullet holes in Hazard sign.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PORTAL PROJECT - PHASE 4**

BLUE CLOUD MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-029	Blue Cloud	Area 1	Woven wire has been bent down to gain entry into fenced enclosure.

HELENA MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-056	City Park	Shaft #2	Minor subsidence.
25-053	Kranich	Shaft #1	Minor subsidence. Site has been previously maintained for subsidence.
25-055	Lombardy	Adit #1 & #2	These mine openings were not visited prior to the suspension of field work.
25-074	USFS-Davis	Adit #1	Lock from adit door is missing. Door is ajar. Hasp has been bent. Lock box should be installed to prevent future vandalism.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
PORTAL PROJECT - PHASE 5**

GOLD COIN MINE, DEER LODGE COUNTY

This site was not visited prior to the suspension of field work on the Hazardous Mine Opening Maintenance Inventory. The completion of this assignment was postponed due to project re-prioritization resulting from insufficient budget.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
MINE SEAL PROJECT - PHASE 6**

BLUE WING DISTRICT, BEAVERHEAD COUNTY

This project was canceled after the major landowner re-nigged on his "Consent" for reclamation. The remaining sites were added to the Phase 8 HMO Project.

HAZARDOUS MINE OPENING RECLAMATION PROGRAM MINE SEAL PROJECT - PHASE 7

ARGENTA MINING DISTRICT, BEAVERHEAD COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
01-020	Coolidge	Shaft #2	Bullet holes in Hazard signs.
01-016	Copper Bell	Shaft #1	Bullet holes in Hazard signs.
01-017	Hand	Shaft #3	One Hazard sign has been removed from fence line.
01-015	Iron Mountain	Shaft #1	Bullet holes in Hazard signs.
		Shaft #2	Bullet holes in Hazard signs.
		Shaft #3	Bullet holes in Hazard signs.
01-024	Jack Rabbit	Shaft #2	One of Hazard signs is hanging upside down.
01-010	Madison	2 Shafts	Wood covers installed during reclamation construction are presently in good condition. They were made of untreated fir or pine. Application of wood preservative or replacement of existing covers with pressure treated wood is recommended to ensure long lasting competent closures.

Due to a camera malfunction, there are no slides of reclamation conditions for this project.

HAZARDOUS MINE OPENING RECLAMATION PROGRAM MINE SEAL PROJECT - PHASE 8

BANNACK DISTRICT, BEAVERHEAD COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
01-006	Apex Mill Site	Ponds	The jackleg fence along the south, west and north sides of the mill complex is generally in good condition. There are a total of seven rails along the north side of the fence which need to be nailed back into place. The west side of the fence is in need of maintenance. This would consist of replacing the entrance gate and "Toxic Waste" sign, re-post "No Trespassing" sign, replace two missing section of jackleg fence, and re-install barbed wire along west edge. Damage to the fence along the west side appears to have been caused by the RIT reclamation project (under construction at the time of this inspection) consisting of stream bank stabilization and removal of hazardous waste. It is uncertain whether the AMR installed fence will be repaired upon completion of this project.
01-055	Hand Placer	Shaft #1	East side of fence is damaged due to recent mining in area.
01-031	Hanson Properties	Shaft #2	Bullet holes in Hazard signs.
01-032	Hanson Properties	Stope	The fence is generally in good condition. Damage caused by boulders rolling into fence line. Maintenance would consist of stapling and tightening wire in two areas for 400 feet.

Due to a camera malfunction, there are no slides of reclamation conditions for this project.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
MINE SEAL PROJECT - PHASE 9**

MCCLELLAN MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-050	Maupin Creek	Shaft #1	Dangerous subsidence was maintained by the Project 26 reclamation contractor who was working in the immediate vicinity. Note: This site was previously maintained for subsidence. Prior to reclamation, the shaft contained water and is reported to consist of extensive underground workings.
22-051	Maupin Creek	Shaft #3	Minor subsidence.
		Shaft #4	The 1988 Warm Springs Creek forest fire destroyed the wood cover installed on the headframe at this site. The shaft was backfilled as part of Project 26 reclamation construction
22-053	Mill Creek	Shaft #1	An additional trench in the vicinity of the shaft should also have been backfilled during reclamation construction.
22-055	Strawberry Creek	Shaft #1	Minor subsidence.

HELENA MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-124	Diehl	West Adit	Reclamation efforts were most likely "un-done"; adit is open. Site receives a great deal of visitation. Maintenance would best be accomplished by installing a culvert in the opening.

Phase 9 - Page 2

HELENA MINING DISTRICT, LEWIS & CLARK COUNTY (continued)

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-123	Diehl	East Shaft	This mine opening was not visited prior to the suspension of field work.
25-096	Mt. Ascension Hts.	Shaft #1	M o d e r a t e s u b s i d e n c e (approximately 5 feet) has occurred at the site. Tree limbs have been dumped into the subsidence hole.
25-097	Red Letter	Shaft 1,2	Site has been obliterated due to road building for residential development.
25-099	Touchstone	Adit	Adit is open. This site does not appear to have ever been constructed as was specified.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
MINE SEAL PROJECT - PHASE 10**

MARYSVILLE DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-075	Crossroads	Shaft #1	All the Hazard signs are missing from this fenced enclosure.
25-077	Earthquake	Shaft #1	One board of installed wood cover has been pried up. Shaft is scheduled for a steel grate in Project 28.
25-081	Gulf	Shaft #1	Wind has collapsed wood ore bin onto one corner of fence. Top strand of barbed wire snapped but rest of fence is in good condition.
25-086	Shannon	Shaft #1	Dangerous subsidence exists at this site. Immediate maintenance was authorized and construction contractor completed backfill during 1989 season. Site has been maintained on two previous occasions due to subsidence.
25-090	Towsley	Shaft #1	Tree limb down on one corner of fence. No damage.
25-091	Towsley Unpat.	Shaft #1	Top strand of barbed wire has been cut and woven wire smashed down to gain entry into fenced enclosure.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 11**

MONTANA CITY MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-034	Nancy Hanks/Faith	Shaft #1	Hazard signs are missing from fenced enclosure.

AUSTIN MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-028	War Eagle	Shafts #1,2	Shafts were originally fenced. In 1986 ownership changed and shafts were backfilled under maintenance program. Additional maintenance was required in 1987 to reclaim subsidence. Site currently looks good.

HELENA MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-043	Chaucer Quarry	Highwall	The jackleg fence installed has been severely vandalized. Approximately 150 feet of fence along the top edge has been knocked down, poles can be seen in quarry below. Several sections of the fence are collapsing naturally due to the steep topography. Warning signs were specified to be stenciled onto flattened rails. There was no evidence of this observed and it is doubtful it was ever done. Maintenance alternatives would involve installing metal fence posts (drill and cement) and smooth wire with Hazard signs along highwall edge or No Action.

HELENA MINING DISTRICT - (continued)

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-057	Ninety-Six	Shaft #1	One Hazard sign remains on fenced enclosure.
		Adit #2	A rock slide has obstructed most of the portal. There was no sign of the existing door that a lock was installed on. Entry can still be gained into the tunnel through a 2 x 3 opening.
25-072	Touchstone Quarry Highwall		Road building for residential development was taking place during maintenance inspection. North edge of fence was down (approximately 100 feet). Developer should re-erect fence when construction is complete.

RIMINI MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-003	Justice	Shaft	Tree has fallen onto fence. Top wire is loose but not severely damaged.

SCRATCHGRAVEL MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-110	Elma	Adit	Lock and hasp are missing from adit door. Door is ajar. Recommend lock box be installed to prevent future vandalism.
25-111	Head Lane	Main Adit	Entry can not be gained into tunnel but reclamation did not eliminate 10-12 foot drop off adit face as was specified. Contractor should have been directed to level area immediately adjacent to site.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 12**

PHILIPSBURG DISTRICT, GRANITE COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
20-041	Bay Horse	Shaft #2	Wood cover not constructed of treated lumber.
20-042	Climax	Shaft #1	Wood cover not constructed of treated lumber.
20-045	Gertrude-Bryant	Shaft #2	Bullet holes in Hazard signs.
20-048	Grey	Shaft #1	Bullet holes in Hazard signs.
		Adit #2	Adit has collapsed shut. Door and lock could be salvaged and used at another site.
20-055	Lucy	Adit #6	Minor subsidence.
20-062	Trout-Scratch All	Shaft #3	Bullet holes in Hazard sign.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 13**

RADERSBURG DISTRICT, BROADWATER COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
04-027	Bluebird-Gopher	Shaft #1	Minor subsidence.
		Shaft #8	Minor subsidence.
04-031	Gold Dust	Shaft #3	Wood cover damaged resulting in a very dangerous situation. Maintenance required.
04-122	Keating	Shaft #12	One plank from wood cover is missing.
04-038	Nada-Ruby	Upper shaft	Wood cover has been completely torn off.
		Lower shaft	Wood cover has been completely torn off.
		Ruby shaft	Gap in wood cover resulting in hole through which access may be gained.
04-039	North Home	Shaft #3	One plank from wood cover is loose.
04-044	Summit	Shaft #3	Wood cover is damaged. Hatch is unlocked and open.
		Adit #4	Adit door is open and lock is missing.
		Adit #5	Adit door is open and lock is missing.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 14**

INDEPENDENCE MINING DISTRICT, SILVER BOW COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
47-014	Butte West	Shaft #4	Minor subsidence.
		Shaft #5	Two signs are missing from fenced enclosure.
47-019	Green Lake	Shaft	The chain link fence enclosing this flooded shaft has been severely vandalized. All Hazard signs are shot up or missing, approximately 230 l.f. of fencing is missing, approximately 240 l.f. of top rail is missing, the southeast corner panel is damaged beyond repair and in several places the intact fencing has been cut vertically. The north and west sides of the enclosure are intact.

**HAZARDOUS MINE OPENING RECLAMATION PROJECT
ADIT & SHAFT PROJECT - PHASE 15**

NORTH MOCCASIN DISTRICT, FERGUS COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
14-013	Barnes-King	Barnes-King Shaft	The shaft is gone, covered by the haul roads constructed for the active Kendall Venture Mine.
		Santiago Shaft	The shaft is gone, covered by the haul roads constructed for the active Kendall Venture Mine.
14-016	Horse Shoe	Mule Shoe Adit	The adit has been re-opened by the active mining operation.
		Horse Shoe Shaft	The shaft is gone, obliterated by the active open pit mine.
		Horse Shoe Incline	The incline appears to be in the middle of the highwall of the open pit.
		Discovery Shaft	The shaft is gone, covered over by fill/haul roads from the open pit operation.
14-021	Kendall	Pit	AMR installed fence has been replaced by a newer fence surrounding the active mining operation.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 16**

WARM SPRINGS DISTRICT, FERGUS COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
14-001	Big Six	Adit	The culvert lock has been shot off and the door hinge damages. The door is open for easy access.
14-090	Prester John	Shaft #1	Minor subsidence.
		Adit #1	Hasp locking adit door has been broken. Lock is still in place and locked. Access can be gained.
		Adit #2	Hasp locking adit door has been broken. Lock is still in place and locked. Access can be gained.
14-024	Whiskey Gulch	Shaft #1	Minor subsidence.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 17**

WARM SPRINGS DISTRICT, FERGUS COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
14-017	Cumberland	Raise	Minor subsidence.
14-023	Western Mines	Upper Cmplx Shaft	Minor subsidence.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
ADIT & SHAFT PROJECT - PHASE 18**

THREE FORKS MINING DISTRICT, BROADWATER COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
04-047	Copper City	Shaft #6	It does not appear that a wood cover was ever constructed over this shaft. There is no evidence of hinges, door remains or locks.

SILVER LAKE MINING DISTRICT, DEER LODGE COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
12-015	Daly Gulch	Shaft #1	The wood cover installed onto existing shaft timbers has collapsed into hole. Maintenance of this site, consisting of backfilling the opening, is scheduled as part of HMO Project 25.
12-012	Silver Reef	Shaft #1	One side of fence is damaged due to natural causes; sloughing. Hazard signs have been blown off by the wind.

GARNET MINING DISTRICT, GRANITE COUNTY

The Garnet Sites were not visited as part of the HMO maintenance inventory because they had recently been observed by the Phase 23 construction inspector. The fences installed at the GARNET GROUP SITE were in excellent condition. The mine openings backfilled at the SHAMROCK SITE were likely to be re-opened by an active mining operation.

BIG FOOT MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-082	South Fork	North Shaft	Minor subsidence.
		South Shaft	Minor subsidence.

ELKHORN MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-107	Dunstone	Shaft #3	Wood planking installed to prevent entry to the shaft house is still intact. Vandals have broke into the structure at other points creating an extremely dangerous situation; a person can walk directly into a two compartment vertical shaft. Maintenance recommendations consist of installing a steel grate over the shaft, inside the structure.
		Adit #4	Locking hasp has been damaged. Lock is missing and door is open. Recommend culvert be installed.
22-108	James R. Keene	Shafts #1-3	Woven wire fencing not appropriate for this site due to the topographic irregularities in the fence configurations. Numerous large gaps exist below the stretched wire and ground surface.
22-113	Union	Shaft #2	Woven wire fencing not appropriate for this site due to the topographic irregularities in the fence configurations. Numerous large gaps exist below the stretched wire and ground surface.

PIPESTONE MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-019	Columbia	Upper Shaft	Backfill has subsided resulting in a 20 foot vertical hole. Maintenance required.

CASTLE MOUNTAIN MINING DISTRICT, MEAGHER COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
30-004	Cumberland	Adit	Backfill has subsided resulting in an opening that provides access to the tunnel.
30-011	Judge	Shafts #3,4	Fence has been cut and dropped on all sides. Corner posts and Hazard signs are intact.

GARRISON MINING DISTRICT, POWELL COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
39-013	Gravely	Shaft #1	Minor subsidence.
		Shaft #2	Minor subsidence.
		Shaft #4	Hazardous subsidence.
		Shaft #7	Hazardous subsidence.

OPHIR MINING DISTRICT, POWELL AND LEWIS & CLARK COUNTIES

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
39-019	Fairview	Upper Adit	Lock missing, door open.
		Lower Adit	Lock missing, door open. A few bricks at the base of the adit door have been dislodged due to ice build-up (there is drainage from adit). Portal in front of door is collapsing.
25-010	Victory	Upper Shaft	Minor subsidence.

HAZARDOUS MINE OPENING RECLAMATION PROGRAM MINE HAZARD PROJECT - PHASE 19

NEIHART MINING DISTRICT, CASCADE COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
07-082	Hartley	Adit #2	Slab of rock has fallen taking out mesh barrier installed for reclamation.

WARM SPRINGS MINING DISTRICT, FERGUS COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
14-020	Old Batch/Peso	Shaft #1	Grate not installed properly. One foot of space exists at NE corner between ground surface and grate, allowing access.
		Adit #3	Backfill has subsided resulting in an opening which allows access to the tunnel.

HUGHESVILLE MINING DISTRICT, JUDITH BASIN & CASCADE COUNTIES

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
23-001	Block P	Shaft	Boards covering shaft house have been partially removed creating access to hazardous area.
23-018	Cape Nome	Adit	Slight damage to masonry walls abutting adit door due to ice build up.
23-022	Marcelline	Shaft	Installed wood cover has been vandalized.

RED BLUFF MINING DISTRICT, MADISON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
29-011	Birdie	Middle Shaft	Top strand of wire broken, one Hazard sign missing and one only partially attached.
		Upper Shaft	Top strand of wire broken.
29-015	East Norris	South Shaft	Hazardous subsidence.
29-019	Red Bluff	Shaft	Small subsidence hole at one site which is approximately 6 feet deep.

REVENUE MINING DISTRICT, MADISON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
29-023	Arctic/Monitor	North Shaft	Fence wire is loose and could be tightened.
		Central Shaft	Bullet holes in Hazard signs.
		South Shaft	Bullet holes in Hazard signs.
29-024	Emperor	Shaft	Hazard signs missing.
29-025	Hidden Treasure	Shaft	Bullet holes in Hazard signs.
29-086	Idaho	North Shaft	Fence wire is loose and could be tightened. Bullet holes in Hazard signs.
		South Shaft	Fence wire is loose and could be tightened. Bullet holes in Hazard signs.
29-028	Pearl	West Shaft	Fence wire is loose and could be tightened.
		East Shaft	Fence wire is loose and could be tightened.

ROCHESTER MINING DISTRICT, MADISON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
29-053	Badger	Shaft #12B	Minor subsidence.
29-054	Big Bonanza	Shaft #6W	Wood cover constructed from untreated lumber.
29-057	Cooper	Shaft #14F	Chain securing gate has been cut with bolt cutters. Access can be gained.
		Shaft #15F/16F	Lock securing gate has been cut with bolt cutters. Access can be gained.
		Shaft #17F	Chain securing gate has been cut with bolt cutters. Access can be gained.
29-063	Longfellow	Shaft #14B	Minor subsidence.
29-064	New	Shaft #27F	Hazard sign dismantled, laying on ground next to enclosure.
		Shaft #3W	Wood cover constructed from untreated lumber.
29-069	North Star	Shaft #2W	Wood cover constructed from untreated lumber. Hasp and lock from access hatch are missing.
		Shaft #8W	Wood cover constructed from untreated lumber. Hasp and lock from access hatch are missing.
29-072	S-N	Shaft #61F	No Hazard signs installed on fenced enclosure.
		Shaft #7W	Wood cover constructed from untreated lumber.

ROCHESTER MINING DISTRICT, MADISON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
29-071	Shoe Maker	Shaft #1W	Wood cover constructed from untreated lumber. Shaft opening has sloughed away from wood collar exposing dangerous opening into shaft.

CURLEW MINING DISTRICT, RAVALLI COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
41-003	Curlew	Pit	Fence has been vandalized and destroyed in places by an active mining operation.

**HAZARDOUS MINE OPENING RECLAMATION PROGRAM
HAZARDOUS MINE OPENING PROJECT - PHASE 20**

BIRCH CREEK MINING DISTRICT, BEAVERHEAD COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
01-033	Greenstone	Shafts #2,3	No Hazard signs are posted on the fenced enclosure and there is no evidence they ever were.
		Shafts #5,6	No Hazard signs are posted on the fenced enclosure and there is no evidence they ever were.
01-034	Indian Queen	Adit #1	Minor subsidence.
		Shaft #2	Wood cover constructed from untreated lumber.
01-036	Limestone Quarry	Shaft #2	Mesh barrier is beginning to rust.

QUARTZ HILL MINING DISTRICT, BEAVERHEAD COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
01-042	Aurora/Humboldt	Stope #15	Gate and lock from fenced enclosure are missing.
01-045	Daisy/Gray Jockey	Shaft #11	One strand of wire on the west side of fenced enclosure has been cut. Hazard sign is missing.

INDIAN CREEK MINING DISTRICT, BROADWATER COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
04-019	Blacksmith	Shafts #1-8	Lock from gate is missing.
		Shafts #9,10	Area has been worked by dozer. Fence was removed and shafts backfilled at conclusion of exploration activities.

INDIAN CREEK MINING DISTRICT, BROADWATER COUNTY - (continued)

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
04-021	Iron Mask	Shaft #1	Hazard sign is off fenced enclosure. Propped against fence line with rocks.
		Raise #3	Two strands of wire have snapped (or have been cut) along one side of fence line. Hazard sign is not securely installed.
04-025	Silver Wave	Shaft #1	Top strand of wire has snapped on one side of enclosure.

WINSTON MINING DISTRICT, BROADWATER COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
04-049	Antelope Creek	Shaft #1	Dangerous subsidence exists at backfilled shaft site.
04-051	Kelly Gulch	Shaft #2	Minor subsidence.
04-056	Whitehead Ranch	Shaft #1	This mine opening was not visited prior to the suspension of field work.

AMAZON MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-061	Cleveland	Shaft #1	Tree has toppled onto one side of fenced enclosure collapsing top strand of wire.
22-064	Pilot	Shaft #2	Headframe has been dismantled and shaft backfilled. No evidence of Hazard sign installed.

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CLANCY MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-085	Haynes	Adit #1	This mine opening was not visited prior to the suspension of field work.
22-089	Marks/Lump Gulch	Shaft #1	New road recently constructed. Perk test adjacent to reclamation site.
22-092	Mineral Hill	Adit #1	Site was never reclaimed, adit is still open.
22-038	New Stake	Shaft #3	Fence wires have been bent down to provide access.

LOWLAND MINING DISTRICT, JEFFERSON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
22-115	Amason	Shaft #2	Minor subsidence.
22-116	Kit Carson	Shaft #1	Minor subsidence.
		Shaft #2	Dangerous subsidence. Area is scene of recent exploration. This mine opening could have been created by mining practices.
		Adit #4	Adit was re-opened as a result of recent exploration.
22-117	Montreal Star	Shaft #1	Wood cover has been broken in half in front of the lock and metal hasp and the hinges are broken.

HELENA MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-044	Contention	Shaft #1	Dangerous subsidence. Shaft was maintained by Project 26 contractor who was working in this district.
25-064	Orofino Ridge	Shaft #1	Area was burned in the 1988 Squaw Gulch forest fire. Additional mine opening found. Will be reclaimed by Project 26 contractor.

SCRATCHGRAVEL MINING DISTRICT, LEWIS & CLARK COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
25-023	Scratchgravel	Pit	Minor subsidence.
		Shafts	Additional prospects adjacent to site should have also been reclaimed.

RENOVA MINING DISTRICT, MADISON COUNTY

<u>PA #</u>	<u>Bid Name</u>	<u>Mine Opening</u>	<u>Maintenance Comments</u>
29-040	Bonanza	Shaft #4	Upper strand of wire on fenced enclosure is broken.
29-047	Little Nugget	Adit #1	Minor subsidence.

